

## **Parts Manual**



# Citation

### Series Zero-Turn Riders & Mower Decks

#### **25HP Product**

Mfg. No. Description
5900762 Citation, 25HP Kawasaki Zero Turn Rider w/52" Mower

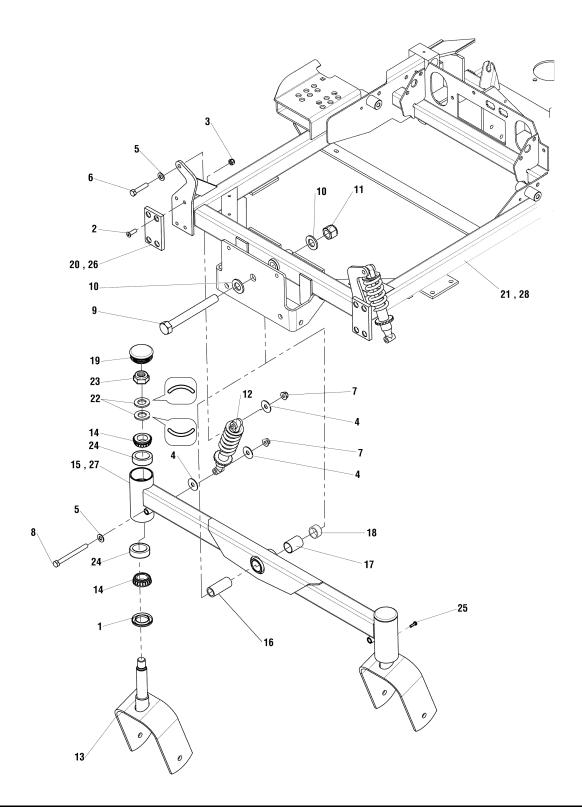
#### **28HP Product**

Mfg. No. Description

5900764 Citation, 28HP Briggs & Stratton Zero Turn Rider w/61"

Part No.: 5101606 **Rev.** 9/2008 TP 400-7405-D-CI-S

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The above parts group applies to the following Mfg. Nos.:

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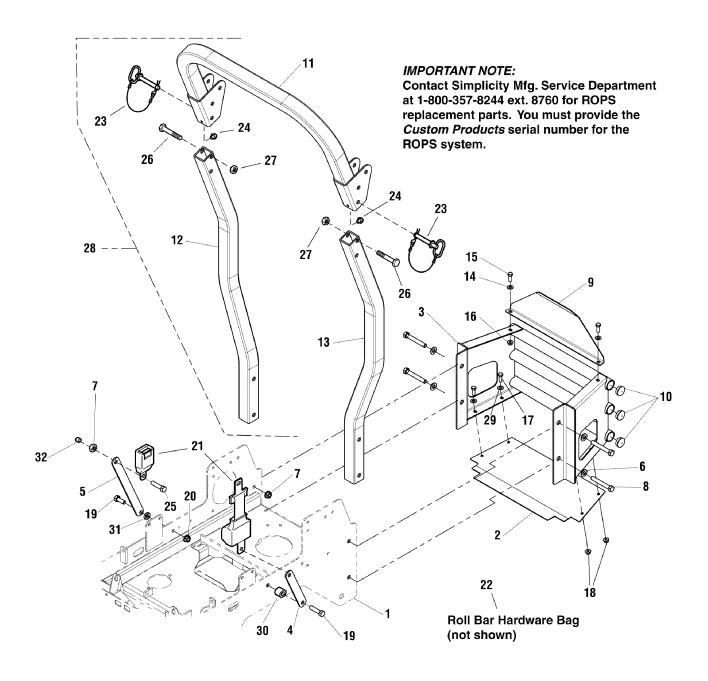
### Main Frame & Front Suspension Group

			DECEDITION.
REF NO	D. PART NO.	QTY.	DESCRIPTION
1	5021072SM	2	SEAL, GREASE
2	5025303SM	8	SCREW, 5/16-18 X 1 FLAT HD SC
3	5025057SM	8	NUT, 5/16-18 HEX NYLON LOCK
4	5025165SM	4	WASHER, 3/8 FENDER (52" MODEL USES QTY. 6)
5	5025156SM	4	WASHER, 3/8 SAE
6	5025013X14SM	2	BOLT, 3/8-16 X 1-3/4 GD5
7	5025394SM	4	NUT, 3/8-16 HEX NYLOCK FLANGE
8	5025013X32SM	2	BOLT, 3/8-16 X 4 GD5 YZ
9	5025265X52SM	1	BOLT, 3/4-16 X 6-1/2 YZ GD5
10	5025160SM	2	WASHER, 3/4 SAE (52" MODEL USES QTY. 4)
11	5025284SM	1	NUT, 3/4-16 HEX NYLON LOCK
12	5023483SM	2	SHOCK, SPRING ASSEMBLY
13	5402208CSM	2	WELD, CASTER YOKE -ORG
14	5020884SM	4	BEARING, TAPERED ROLLER, 1
15	5403810CSM	1	WELD, PIVOTING FRONT END - ORG (61" MODEL ONLY)
16	5047489SM	1	SPACER, .75 X 1.00 X 2.38
17	5022852SM	1	PIVOT BEARING, 1.00 X 1.125 OD X 1.50
18	5100358SM	1	PIVOT BEARING, 1.00 X 1.125 OD X .50
19	5100882SM	2	CAP, CASTER SPINDLE, LOW PROFILE
20	5101553SM	2	DECK FRICTION REDUCER PLATE (61" MODEL ONLY)
21	5403809CSM	1	WELD, MAIN FRAME, IS1500ZX - ORG (61" MODEL ONLY)
22	5025449SM	4	WASHER, BELLEVILLE - 1.500 X .755
23	5025448SM	2	NUT, 3/4-16, HEX JAM NYLON LOCK
24	5020883SM	4	BEARING CUP (SV)
25	5025457SM	2	BOLT, 1/4-28 X 1/2, GD5 YZ
26	5045990SM	2	DECK FRICTION REDUCER PLATE (52" MODEL ONLY)
27	5402536CSM	1	WELD, FRONT PIVOT, CITATION - ORG (52" MODEL ONLY)
28	5404316CSM	1	WELD, IS1500Z MAIN FRAME - ORANGE (52" MODEL ONLY)

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

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The above parts group applies to the following Mfg. Nos.:

#### Rear Bumper Group

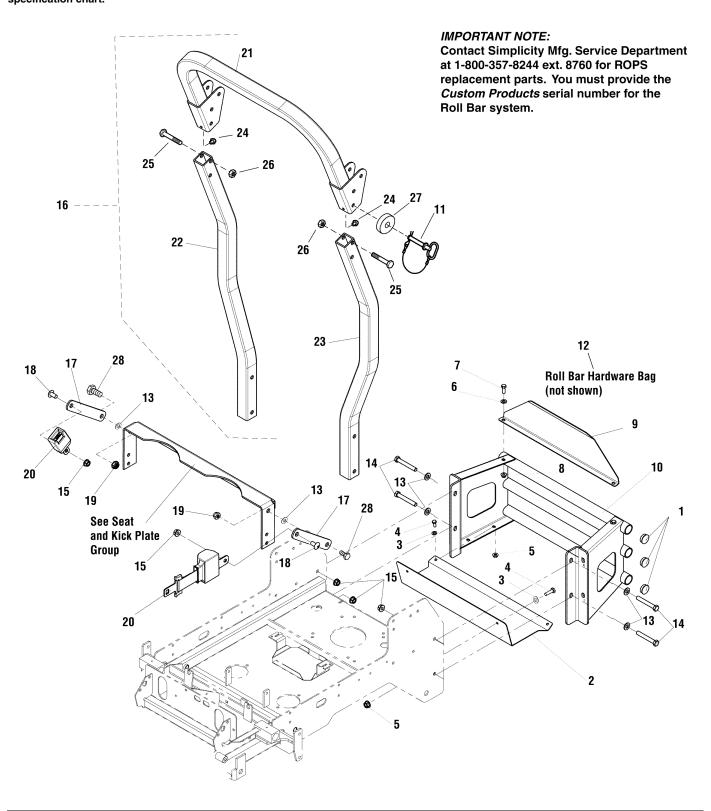
	Tour Bumpor Group				
	. PART NO.	QTY.	DESCRIPTION		
1	-	-	MAIN FRAME		
2	5401174CSM	1	HEAT SHIELD		
3	5403268CSM	1	BUMPER		
4	5400844CSM	1	PLATE, SEAT BELT ANCHOR - LH		
5	5400847CSM	1	PLATE, SEAT BELT ANCHOR - RH		
6	5025158SM	4	WASHER, 1/2" SAE		
7	5025396SM	6	NUT, 1/2-13 HEX NYLOCK FLANGE		
8	5025017X26SM	4	BOLT, 1/2-13 X 3-1/4" GD5		
9	5061725CSM	1	CARB PROTECTOR PLATE		
10	5023484SM	6	PLUG, PANEL, 1.25 BLACK		
11	-	1	ROLL BAR TOP LOOP		
12	-	1	ROLL BAR POST, RH		
13	-	1	ROLL BAR POST, LH		
14	5025156SM	2	WASHER 3/8" SAE		
15	5025013X8SM	2	BOLT, 3/8-16 X 1" GD5		
16	5025394SM	2	NUT, 3/8-16 X 1" GD5		
17	5025011X6SM	4	BOLT, 5/16-18 X 3/4" GD5		
18	5025392SM	4	NUT, 5/16-18 HEX NYLOCK FLANGE		
19	5025017X14SM	2	BOLT, 1/2-13 X 1-3/4 GD5 YZ		
20	5025396SM	2	NUT, 1/2 X 13 HEX NYLOCK FLANGE		
21	5100139SM	1	SEAT BELT ASSEMBLY, STANDARD		
21	5100397SM	1	SEAT BELT ASSEMBLY, EXTRA LONG		
22	5100377SM	1	ROLL BAR HARDWARE BAG		
23	5100079SM	2	PIN, HITCH, BLACK W/ PLASTIC LANYARD		
24	5100383SM	2	RUBBER BUMPER		
25	5100267SM	2	SCREW, 1/2-13 X 1.00, SHCS		
26	-	2	*BOLT		
27	-	2	*NUT		
28	5100186SM	1	ROPS COMPLETE IN BOX, IS1500		
29	5025155SM	4	WASHER, 5/16"SAE		
30	5045178SM	1	SPACER, .52 X 1.00 X .75		
31	5100520SM	1	SPACER, .515 X 1.00 X .218		
32	5101049SM	1	CAP, VINYL		
33	5100545SM	2	RUBBER WASHER (Not shown)		

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.: 5900762 - Citation

5301428

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



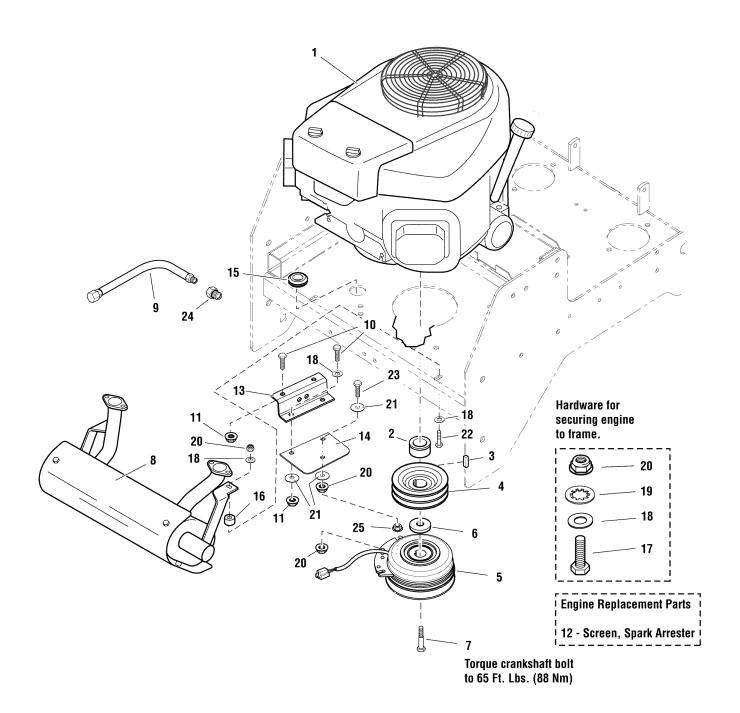
The above parts group applies to the following Mfg. Nos.: 5900764 - Citation

#### Rear Bumper, Roll Bar & Seat Belt Group - 28 HP Briggs & Stratton Models

	D. PART NO.		DESCRIPTION 2.1990 a character medicine
1	5023484SM	6	PLUG, PANEL, 1.25 - BLACK
2	5402183CSM	1	PLATE, HEAT SHIELD - ORG
3	5025155SM	4	WASHER, 5/16 SAE
4	5025011X6SM	4	BOLT, 5/16-18 X 3/4 GD5
5	5025392SM	4	NUT, 5/16-18 HEX NYLOCK FLANGE
6	5025156SM	2	WASHER, 3/8 SAE
7	5025013X8SM	2	BOLT, 3/8-16 X 1 GD5 YZ
8	5025394SM	2	NUT, 3/8-16 HEX NYLOCK FLANGE
9	5400681CSM	1	PLATE, CARB PROTECTOR - ORG
10	5403269CSM	1	WELD, BUMPER, IS2000Z - ORG
11	5100079SM	2	PIN, HITCH, BLACK W/ PLASTIC LANYARD
12	5100377SM	1	ROLL BAR HARDWARE BAG (Includes hitch pin.)
13	5025158SM	6	WASHER, 1/2 SAE
14	5025017X26SM	4	BOLT, 1/2-13 X 3-1/4, HEX HD, GD5, YZ
15	5025396SM	6	NUT, 1/2-13 HEX NYLOCK FLANGE
16	5100190SM	1	ROPS COMPLETE IN BOX, IS2000
17	5400844CSM	2	PLATE, SEAT BELT ANCHOR - LH - ORG
18	5100267SM	2	SCREW, 1/2-13 X 1.00, SHCS
19	5025098SM	2	NUT, 1/2-20 HEX NYLON LOCK
20	5100139SM	1	SEAT BELT, RETRACTING - ASSM
21	-	1	ROLL BAR TOP LOOP (See drawing note.)
22	-	1	ROLL BAR POST, RH (See drawing note.)
23	-	1	ROLL BAR POST, LH (See drawing note.)
24	5100383SM	2	RUBBER BUMPER
25	-	2	*BOLT (See footnote.)
26	-	2	*NUT (See footnote.)
27	5100545SM	2	RUBBER WASHER
28	5025018X10SM	2	BOLT, 1/2-20 X 1-1/4 GD5 YZ

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



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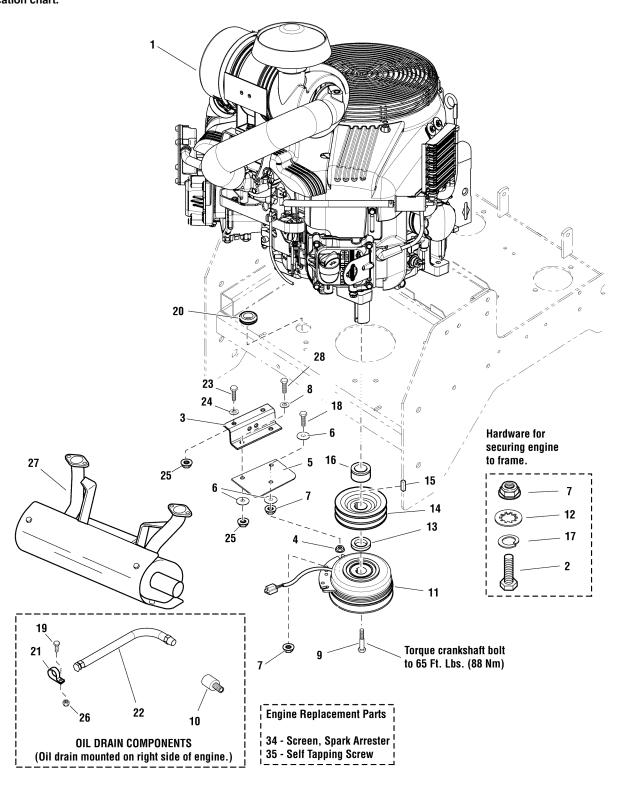
Fig. auto-	Environ & REO Overes - OSUB Kennenski			
	O. PART NO.		DESCRIPTION	
1	-	1	ENGINE, 25HP Kawi, FH721-FS11-R	
2	5100062SM	1	SPACER, 1.13 X 1.75 X .32	
3	5050407X8SM	1	KEY, 1/4 SQ. X 3-1/2" LONG	
4	5047075SM	1	PULLEY, Crankshaft (Double A)	
5	5100084SM	1	CLUTCH, 5218-134, Warner	
6	5045475SM	1	SPACER, .45 X 1.88 X .38	
7	5047632SM	1	BOLT, Crankshaft, 7/16 X 2-3/4	
8	5100975SM	1	MUFFLER, 21HP-25HP Kawasaki Engines	
9	5048681SM	1	HOSE, Oil Drain	
10	5025011X8SM	4	BOLT, 5/16-18 X 1 GD5 YZ	
11	5025057SM	4	NUT, 5/16-18 HEX SERRATTED FLANGE	
12	5101641SM	1	SCREEN, SPARK ARRESTER (NOT SHOWN)	
13	5046416CSM	1	ANCHOR, Clutch	
14	5043636SM	1	CLUTCH ANCHOR PAD	
15	5021379SM	1	GROMMET, 7/8	
16	50446446SM	2	SPACER, .39 X 1.00 X .80	
17	5025011X14SM	4	BOLT, 5/16-18 X 1-3/4 GD5 YZ	
18	5025155SM	10	WASHER, 5/16 SAE	
19	5025188SM	4	WASHER, 5/16 Internal Tooth Lock Washer	
20	5025392SM	8	NUT, 5/16-18 Hex Nylock Flange	
21	5044617SM	4	WASHER, .34 X 1.25 X 10 GA	
22	5025011X12SM	2	BOLT, 5/16-18 X 1-1/2 GD5 YZ	
23	5025425SM	1	BOLT, 5/16-18 X 3, FLT	
24	5022234SM	1	ADAPTER, Oil Drain	
25	5025139SM	1	NUT, 5/16-18 Hex Serratted Flange	

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

5301439

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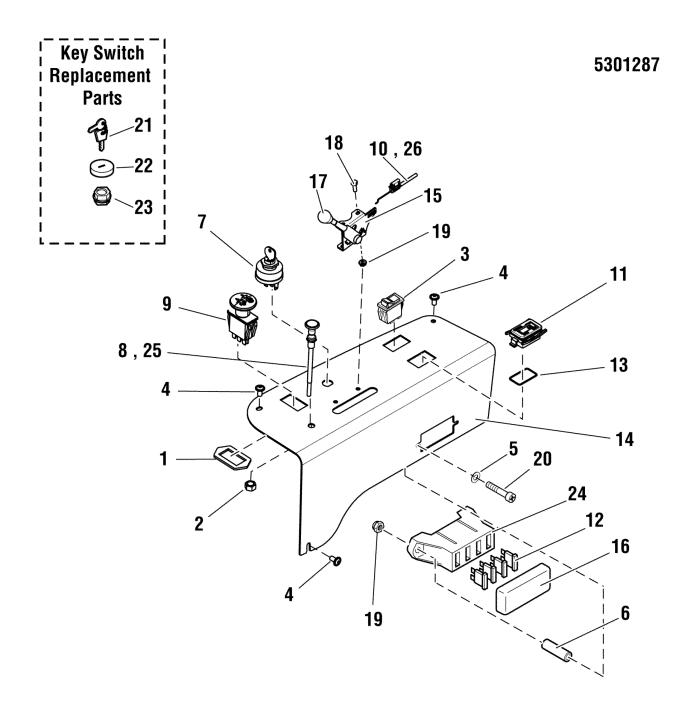
The above parts group applies to the following Mfg. Nos.:

### Engine & PTO Group - 28 HP Briggs & Stratton Models

REF NO.	. PART NO.	OTY	DESCRIPTION
1	-	1	ENGINE, 28HP, BRIGGS AND STRATTON
	5025011X14SM	4	BOLT, 5/16-18 X 1-3/4 GD5 YZ
	5046416CSM	1	ANCHOR, CLUTCH
	5025139SM	3	NUT, 5/16-18 HEX SERRATED FLANGE, LARGE
	5043636SM	1	CLUTCH ANCHOR PAD
6	5044617SM	4	WASHER, .34 X 1.25 X 10 GA
7	5025392SM	6	NUT, 5/16-18 HEX NYLOCK FLANGE
8	5025155SM	2	WASHER, 5/16 SAE
9	5045289SM	1	BOLT, CRANKSHAFT, 7/16" X 2-1/2
10	5100366SM	1	METRIC ADAPTER, M14-1.5" TO 3/8 NPTF
11	5100084SM	1	CLUTCH,5218-134, WARNER
12	5025188SM	4	WASHER, 5/16" INT. TOOTH LOCK
13	5044062SM	1	SPACER, 1.13 X 1.75 X .50
14	5047075SM	1	PULLEY, CRANKSHAFT (DOUBLE A)
15	5050407X8SM	1	KEY, 1/4 SQ. X 1.00
16	5101554SM	1	SPACER, 1.13 X 1.75 X 1.090, BLACK ZINC
17	5025170SM	4	WASHER, 5/16" LOCK
18	5025425SM	1	BOLT, 5/16-18 X 3", FLT
19	5025010X8SM	1	BOLT, 1/4-20 X 1", GD5
	5021379SM	1	GROMMET, 7/8
	5021500SM	1	CLAMP, VINYL
	5048681SM	1	HOSE, OIL DRAIN
	5025013X8SM	2	BOLT, 3/8-16 X 1 GD5 YZ
	5025156SM	2	WASHER, 3/8 SAE
	5025394SM	2	NUT, 3/8-16 HEX NYLOCK FLANGE
	5025391SM	1	NUT, 1/4-20 HEX NYLOCK FLANGE
	843906SM	1	MUFFLER, EXHAUST ASSY
	5025011X8SM	2	BOLT, 5/16-18 X 1 GD5 YZ
	841238SM	1	ELEMENT, AIR CLEANER, SECONDARY (Not Shown)
	809268SM	1	RAIN CAP (Not Shown)
	809218SM	1	AIR CLEANER ASSEMBLY, COMPLETE (Not Shown)
	841237SM	1	ELEMENT, AIR CLEANER, PRIMARY (Not Shown)
	492932SSM	1	FILTER, OIL, BRIGGS & STRATTON (Not Shown)
	842859SM	1	SCREEN, ARRESTER (Not Shown)
35	5025470SM	1	SCREW,SELF-TAP,#8-32 X 3/8,WASH HEX, CZ (Not Shown)

#### **Footnotes**

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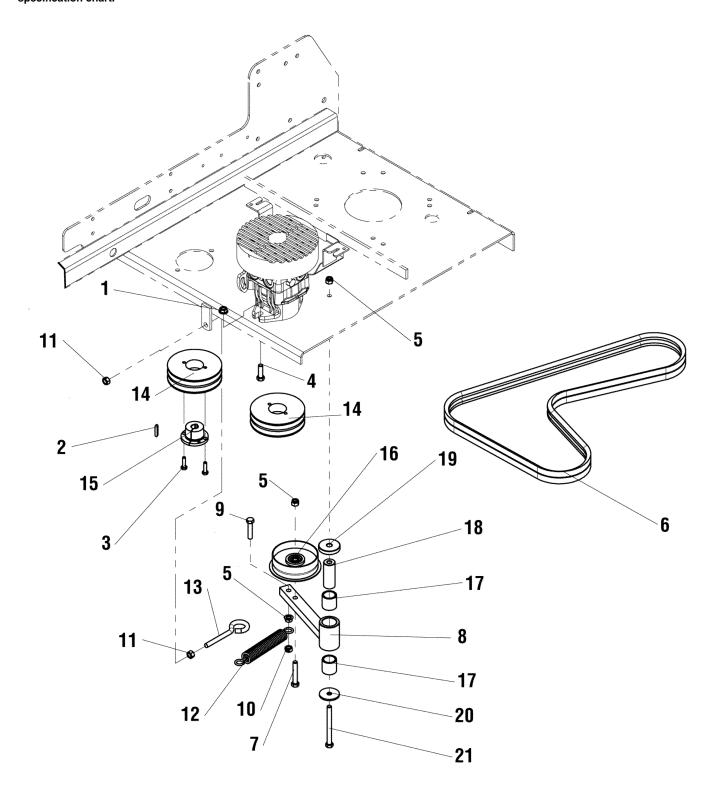
#### Instrument Control Panel Group

REF NO	). PART NO.	QTY.	DESCRIPTION
1	502222SM	1	RING, SWITCH RETAINER
2	5025309SM	1	NUT, 3/8-24 HEX JAM (SV)
3	1703799SM	1	SWITCH, HEADLIGHT
4	5025299X4SM	3	SCREW, 1/4-20 X 1/2 ALLEN BH
5	5023499SM	4	WASHER, #10 SAE
6	5061763SM	2	SPACER, .20 X .38 X 1.25
7	5020927SM	1	SWITCH, IGNITION, 6 POST (Includes Ref Nos 21 - 23)
8	5047779SM	1	CABLE, CHOKE CONTROL, 51 (Z) (Includes Ref Nos 2) (61" Model Only)
9	5022180SM	1	SWITCH, BLADE ENGAGEMENT
10	5101076SM	1	CABLE, THROTTLE, 47" (61" Model Only)
11	5100996SM	1	HOUR METER, W/ SUPRESSOR
12	5021603SM	4	FUSE, ATO, 20 AMP
13	5022269SM	1	O-RING, 7/8 ID X 1/16 W
14	5403402ASM	1	PLATE, CONTROL PANEL - BLK
15	5101537SM	1	LEVER, THROTTLE CONTROL
16	5022805SM	1	COVER, VINYL FUSEBLOCK
17	5046360X1SM	1	KNOB, THROTTLE CONTROL (SV)
18	5025179X6SM	2	SCREW, #10-24 X 3/4" ROUND PHILLIPS
19	5025271SM	4	NUT, #10-24 HEX NYLON LOCK
20	5025270X16SM	2	SCREW, #10-24 X 2"
21	5022789SM	1	KIT, IGNITION, SET (SV)
22	5022790SM	1	COVER (SV)
23	5022791SM	1	PLASTIC NUT (SV)
24	5021518SM	1	FUSE BLOCK (SV)
25	5046501SM	1	CABLE, CHOKE CONTROL, 47 (Includes Ref Nos 2) (52" Model Only)
26	5101073SM	1	CABLE, THROTTLE, 42" (52" Model Only)

#### **Footnotes**

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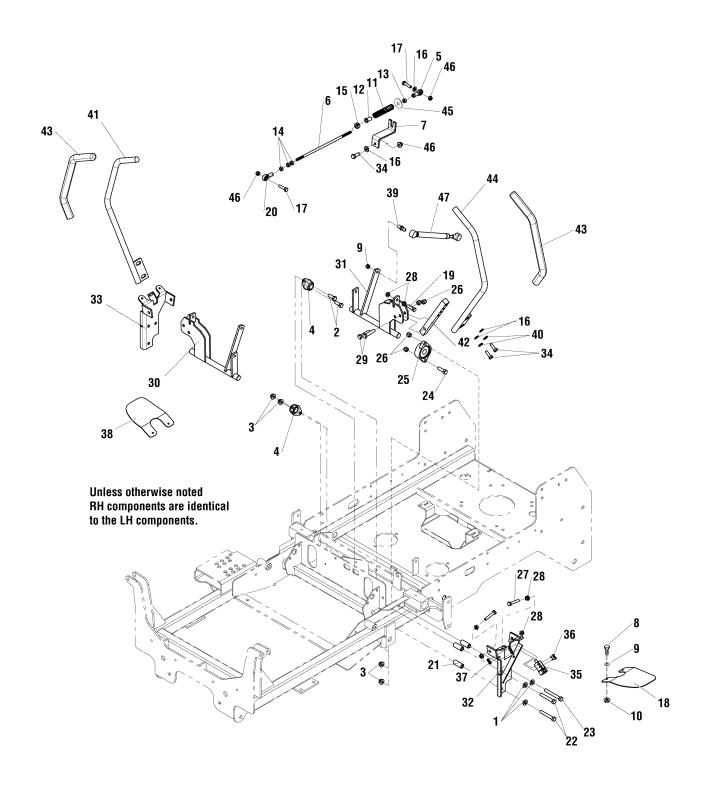
#### **Pump Drive Group**

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5025128SM	4	NUT, 3/8-16 HEX SERRATED FLANGE
2	5023254SM	2	KEY, 5MM SQ. W/ RADIUS
3	5025010X8SM	4	BOLT, 1/4-20 X 1, GD5
4	5025013X10SM	4	BOLT, 3/8-16 X 1-1/4" GD5
5	5025394SM	3	NUT, 3/8-16 HEX NYLOCK FLANGE
6	5100555SM	1	BELT,#41-1299, BANDED -EL 64.76 (pair)
7	5025013X18SM	1	BOLT, 3/8-16 X 2-1/4 GD5 YZ
8	5046430CSM	1	WELD, ARM, PUMP DRIVE IDLER - ORG
9	5025013X14SM	1	BOLT, 3/8-16 X 1-3/4 GD5
10	5025100SM	1	NUT, 3/8-16 HEX SIDE LOCK
11	5025034SM	2	NUT, 3/8-16 HEX
12	5022847SM	1	SPRING, EXTENSION, SWIVEL END
13	5021812SM	1	EYE BOLT, 3/8-16 X 4-1/4, 1 EYE
14	5022586SM	2	PULLEY, PUMP DRIVE
15	5022587SM	2	BUSHING, TAPERED HUB
16	5022621SM	1	PULLEY, IDLER, SINGLE FLANGE
17	5022157SM	2	BUSHING, BRASS, 1.25X1X1.25
18	5045135SM	1	SPACER, .39 X 1.00 X 2.55
19	5045475SM	1	SPACER, .45 X 1.88 X .38
20	5025305SM	1	WASHER, .41 X 1.75 X .14
21	5025013X32SM	1	BOLT, 3/8-16 X 4 GD5 YZ

#### **Footnotes**

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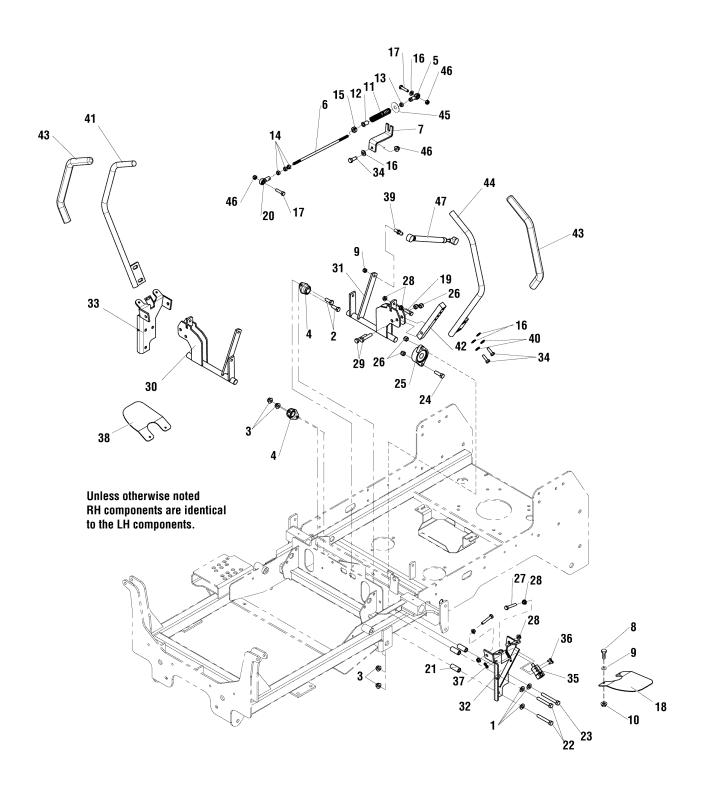
The above parts group applies to the following Mfg. Nos.: 5900764 - Citation

#### Motion Control Group - 28 HP Briggs & Stratton Models

Motion Control Group - 28 HP Briggs & Stratton Models				
<b>REF NO</b>	. PART NO.	QTY.	DESCRIPTION	
1	5025156SM	6	WASHER, 3/8 SAE	
2	5025013X8SM	2	BOLT, 3/8-16 X 1 GD5 YZ	
3	5025394SM	10	NUT, 3/8-16 HEX NYLOCK FLANGE	
4	5021098SM	2	BEARING, BRONZE FLANGE, 3/4	
5	5022628SM	2	BALL JOINT, 5/16-24, LH FEMALE	
6	5046420SM	2	ROD, HYDRO LINKAGE	
7	5400653CSM	2	MOUNT, REVERSE RETURN - ORG	
8	5025010X6SM	4	BOLT, 1/4-20 X 3/4 GD5 YZ	
9	5025154SM	4	WASHER, 1/4 SAE	
10	5025391SM	4	NUT, 1/4-20 HEX NYLOCK FLANGE	
11	5022645SM	2	SPRING, REVERSE RETURN	
12	5023260SM	2	BUSHING, NYLON	
13	5023212SM	2	NUT, 5/16-24 HEX, LH	
14	5025033SM	6	NUT, 5/16-24 HEX	
15	5020047SM	2	COLLAR, 5/16 SET	
16	5025155SM	8	WASHER, 5/16 SAE	
17	5025011X10SM	4	BOLT, 5/16-18 X 1-1/4 GD5 YZ	
18	5403956CSM	1	PLATE, HAND GUARD, LH - ORG	
19	5025011X9SM	2	BOLT, 5/16-18 X 1-1/8 GD5	
20	5021146SM	2	BALL JOINT, 5/16-24, FEMALE	
21	5048264SM	6	SPACER, .39 X .63 X 1.50	
22	5025013X20SM	4	BOLT, 3/8-16 X 2-1/2 GD5 YZ	
23	5025013X24SM	2	BOLT, 3/8-16 X 3 GD5 YZ	
24	5025013X10SM	2	BOLT, 3/8-16 X 1-1/4 GD5	
25	5021499SM	2	BEARING, FLANGE	
26	5025096SM	4	NUT, 3/8-16 HEX NYLON LOCK	
27	5025055X14SM	4	BOLT, 5/16-18 X 1-3/4 GD5 TFL	
28	5025139SM	12	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)	
29	5025013X14SM	4	BOLT, 3/8-16 X 1-3/4 GD5	
30	5403620CSM	1	WELD, CONTROL SHAFT, RH - ORG	
31	5403619CSM	1	WELD, CONTROL SHAFT, LH - ORG	
32	5400820CSM	1	WELD, NEUTRAL LOCK, LH - ORG	
33	5400824CSM	1	WELD, NEUTRAL LOCK, RH - ORG	
34	5025011X8SM	4	BOLT, 5/16-18 X 1 GD5 YZ	
	5021451SM	2	SWITCH, PLUNGER, N.O.	
36	5025179X4SM	4	SCREW, #10-24 X 1/2 ROUND PHILLIPS	
37	5025029SM	4	NUT, #10-24 HEX	
38	5403597CSM	1	PLATE, HAND GUARD, RH - ORG	
39	5101307SM	4	10MM BALL STUD, 5/16-18 X 3/4 THDS	
40	5025170SM	4	WASHER, 5/16 LOCK YZ	
41	5400637CSM	1	WELD, HANDLE MOTION CONTROL RH - ORG	
	5047004SM	2	MOUNT, CONTROL ARM	
43	5022068SM	2	GRIP, FOAM, 3/4 ID, 16 LONG	
44	5400636CSM	1	WELD, HANDLE MOTION CONTROL LH - ORG	

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



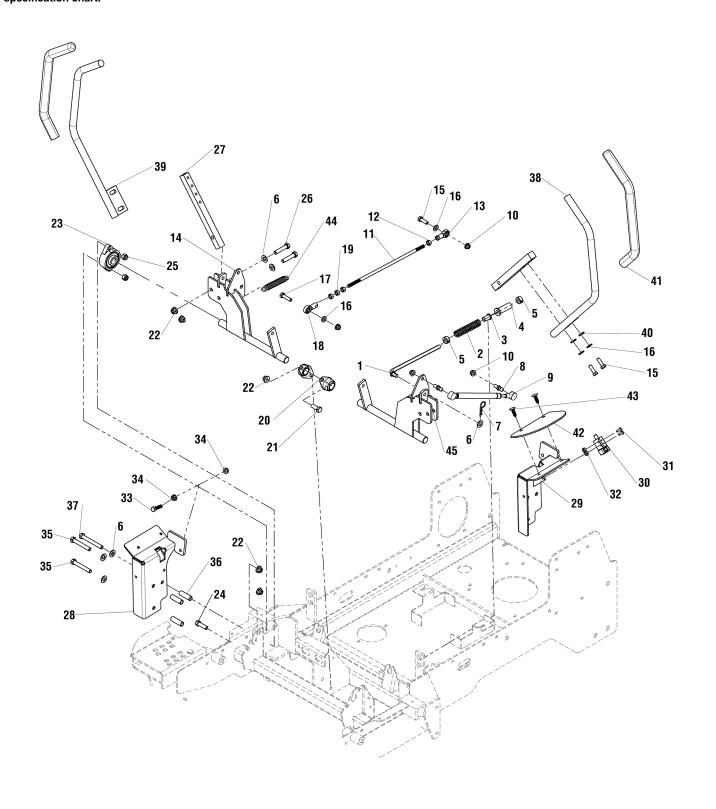
The above parts group applies to the following Mfg. Nos.: 5900764 - Citation

#### Motion Control Group - 28 HP Briggs & Stratton Models

<b>REF N</b>	O. PART NO.	QTY.	DESCRIPTION
45	5025424SM	2	WASHER, 3/8 X 1" X 1/16, NYLON F/W
46	5025392SM	8	NUT, 5/16-18 HEX NYLOCK FLANGE
47	5100940SM	2	DAMPENER, CONTROL,#(P6709/P3610)

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.: 5900764 - Citation



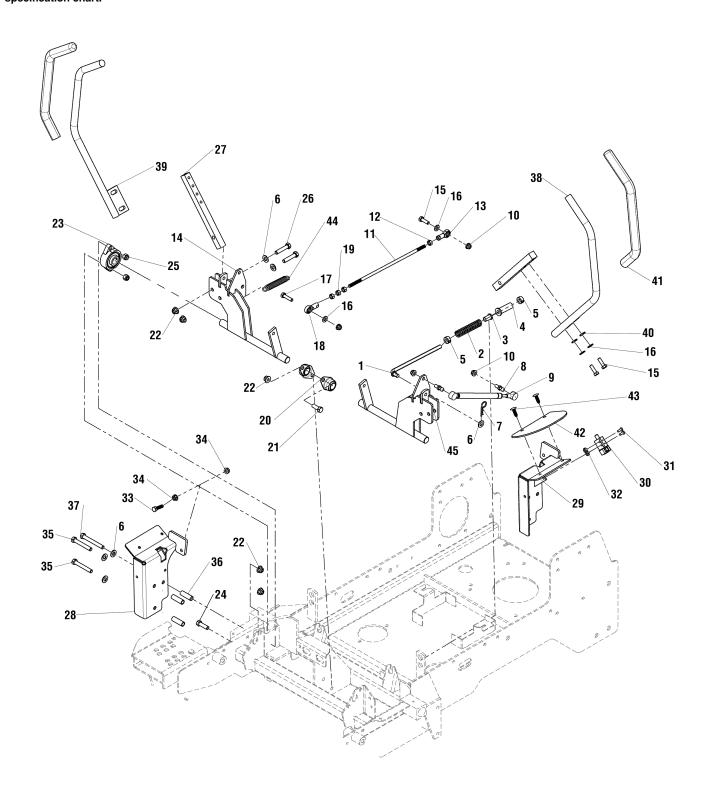
The above parts group applies to the following Mfg. Nos.: 5900762 - Citation

### Motion Control Group - S/N: 201317251 & Above

motion Control Group - 3/N. 201317231 & Above			
REF NO.	. PART NO.	QTY.	DESCRIPTION
1	5100947SM	2	ROD, NEUTRAL RETURN
2	5022645SM	2	SPRING, REVERSE RETURN
3	5023260SM	2	BUSHING, NYLON
4	5100942SM	2	BUSHING, FLANGED .375 X .630 X 2.00
5	5010546SM	4	COLLAR, 3/8" SET
6	5025156SM	12	WASHER, 3/8 SAE
7	5025210SM	2	PIN, HAIR, .0915 X 1-7/8
8	5100941SM	4	BALL STUD, 5/16 X .50,# PC-477-2)
9	5100940SM	2	DAMPENER, CONTROL,#(P6709/P3610)
10	5025392SM	8	NUT, 5/16-18 HEX NYLOCK FLANGE
11	5100946SM	2	ROD, HYDRO LINKAGE
12	5023212SM	2	NUT, 5/16-24 HEX, LH
13	5022628SM	2	BALL JOINT, 5/16-24, LH FEMALE
14	5402589CSM	1	WELD, SHAFT MOTION CONTROL-RH-IS500-ORG
15	5025011X8SM	6	BOLT, 5/16-18 X 1 GD5 YZ
16	5025155SM	8	WASHER, 5/16" SAE
17	5025011X10SM	2	BOLT, 5/16-18 X 1-1/4" GD5 YZ
18	5021146SM	2	BALL JOINT, 5/16-24, FEMALE
19	5025033SM	6	NUT, 5/16-24 HEX
20	5021098SM	2	BEARING, BRONZE FLANGE, 3/4
21	5025013X8SM	2	BOLT, 3/8-16 X 1" GD5 YZ
22	5025394SM	14	NUT, 3/8-16 HEX NYLOCK FLANGE
23	5021499SM	2	BEARING, FLANGE
24	5025013X10SM	2	BOLT, 3/8-16 X 1-1/4" GD5
25	5025096SM	4	NUT, 3/8-16 HEX NYLON LOCK
26	5025013X14SM	8	BOLT, 3/8-16 X 1-3/4" GD5
27	5047004SM	2	MOUNT, CONTROL ARM
28	5402595CSM	1	WELD, NEUTRAL LOCK - RH - IS500-ORG
29	5402594CSM	1	WELD, NEUTRAL LOCK - LH - IS500-ORG
30	5022095SM	2	SWITCH, PLUNGER, N.O./N.C.
31	5025179X4SM	4	SCREW, #10-24 X 1/2 ROUND PHILLIPS
32	5025029SM	4	NUT, #10-24 HEX
33	5025011X9SM	2	BOLT, 5/16-18 X 1-1/8" GD5
34	5025127SM	8	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
35	5025013X20SM	4	BOLT, 3/8-16 X 2-1/2" GD5 YZ
36	5048264SM	6	SPACER, .39 X .63 X 1.50
37	5025013X24SM	2	BOLT, 3/8-16 X 3" GD5 YZ
38	5047055CSM	1	WELD, HANDLE MOTION CONTROL-LH
39	5047056CSM	1	WELD, HANDLE MOTION CONTROL-RH
40	5025170SM	4	WASHER, 5/16" LOCK
41	5022068SM	2	GRIP, FOAM, 3/4 ID, 16 LONG
42	5100948SM	2	GUARD, RUBBER MOT CTRS - IS500Z
43	5025431SM	4	PUSH RIVET (TREE TYPE), BLACK
44	5020639SM	2	SPRING, EXTENSION

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



The above parts group applies to the following Mfg. Nos.: 5900762 - Citation

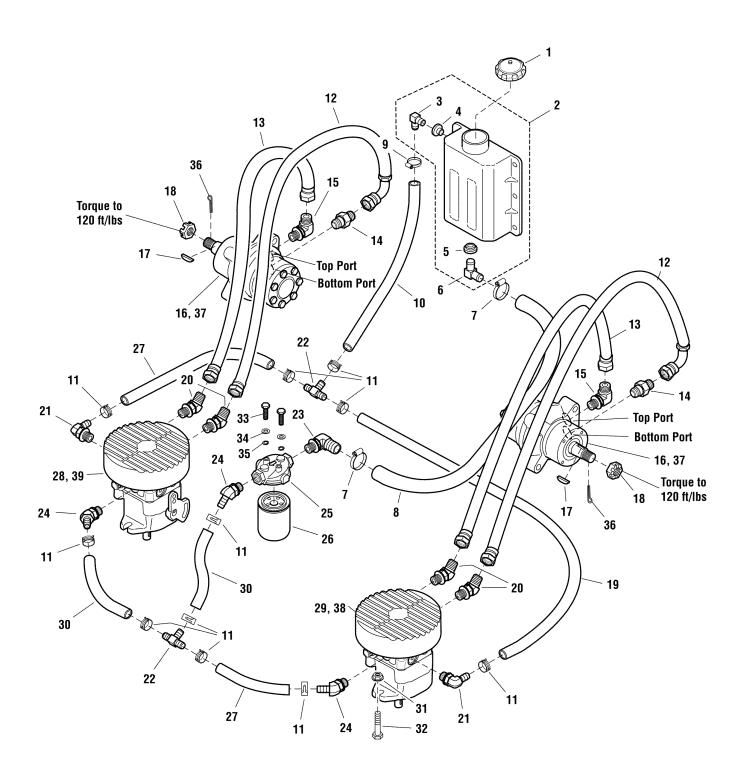
#### Motion Control Group - S/N: 201317251 & Above

#### REF NO. PART NO. QTY. DESCRIPTION

45 5402588CSM 1 WELD, SHAFT MOTION CONTROL-LH-IS500-ORG

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



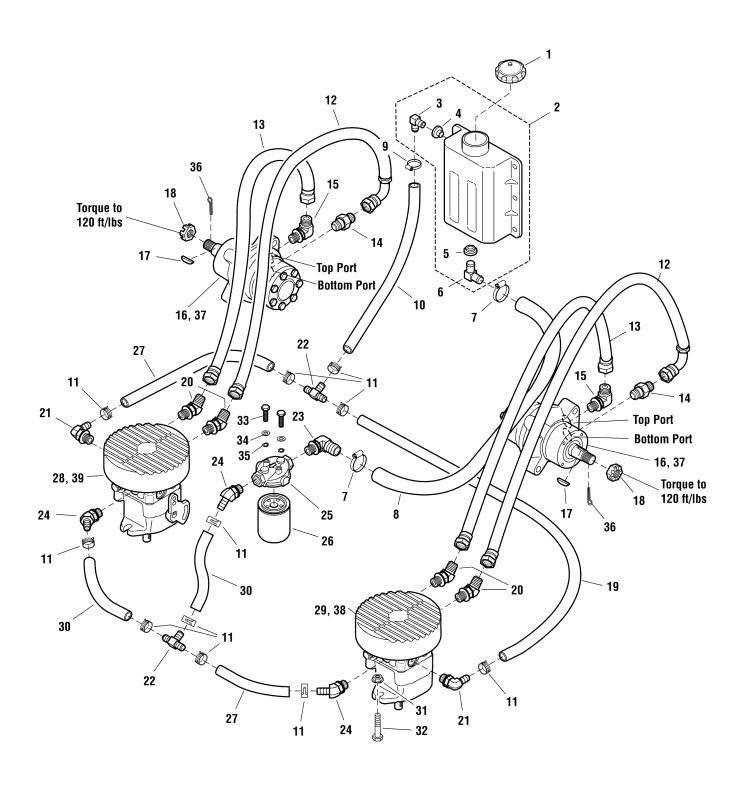
The above parts group applies to the following Mfg. Nos.:

#### Hydraulic Group

nyuraulic Group				
REF NO	. PART NO. (	QTY.	DESCRIPTION	
1	5100017SM	1	CAP, Hydraulic Oil Only	
2	5061712SM	1	HYDRAULIC OIL RESERVOIR, Complete	
3	5023118SM	1	FITTING, Elbow, 3/8"	
4	1726400SM	1	GROMMET	
5	5023121SM	1	GROMMET	
6	5023119SM	1	FITTING, Elbow, 5/8"	
7	5021164SM	2	CLAMP, #10 Hose	
8	5050933X24P5SM	11	HOSE, Hydraulic, 24.5"	
9	5022922SM	1	CLAMP, #4 Hose	
10	5050860X18P5SM	11	HOSE, Hydraulic, 18.5"	
11	5023268SM	11	CLAMP, Hose	
12	5023370SM	2	HYDRAULIC HOSE ASSEMBLY, 25"	
13	5022711SM	2	HYDRAULIC HOSE ASSEMBLY, 21"	
14	5022633SM	2	FITTING, O-Ring Adapter	
15	5022599SM	2	FITTING, O-Ring, 90 Deg.	
16	5023316SM	2	HYDRAULIC WHEEL MOTOR, Complete (S/N: 2012607199 & BELOW)	
17	5022042X2SM	2	KEY	
18	5022042X3SM	2	NUT, CASTLE	
19	5050860X18SM	1	HOSE, Hydraulic, 18"	
20	5023338SM	4	FITTING, O-Ring, 45 Deg.	
21	5023267SM	2	FITTING, O-Ring, 90 Deg.	
22	5022920SM	2	FITTING, TEE, 3/8" Hose	
23	5023346SM	1	FITTING, O-Ring, 90 Deg.	
24	5023461SM	3	FITTING, O-Ring, 45 Deg.	
25	5023096SM	1	FILTER HEAD	
26	1719168SM	1	FILTER	
27	5050860X6P5SM	2	HOSE, Hydraulic, 6-1/2"	
28	5023373SM	1	HYDRAULIC PUMP, RH (S/N: 2012607199 & BELOW)	
28	5023371SM	1	FAN SHROUD (S/N: 2012607199 & BELOW)	
28	5100333SM	1	FAN, HYD. PUMP	
29	5023372SM	1	HYDRAULIC PUMP, LH (S/N: 2012607199 & BELOW)	
29	5023371SM	1	FAN SHROUD (S/N: 2012607199 & BELOW)	
	5100333SM	1	FAN, HYD. PUMP	
	5050860X6SM	2	HOSE, Hydraulic, 6"	
	5025128SM	4	NUT, 3/8-16 Hex Serrated Flange	
32	5025013X10SM	4	BOLT, 3/8-16 X 1-1/4"	
	5025010X6SM	2	BOLT, 1/4"-20 X 3/4"	
34	5025169SM	2	WASHER, 1/4" LOCK	
35	5025154SM	2	WASHER, 1/4" SAE	
36	5025203X16SM	2	PIN, COTTER	
	5100877SM	2	WHEEL MOTOR, COMPLETE (S/N: 2012607200 & ABOVE)	
	5100670SM	1	HYDRAULIC PUMP, LH (S/N: 2012607200 & ABOVE)	
	5100162SM	1	FAN SHROUD (S/N: 2012607200 & ABOVE)	
39	5100671SM	1	HYDRAULIC PUMP, RH (S/N: 2012607200 & ABOVE)	

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.: 5900762 - Citation



The above parts group applies to the following Mfg. Nos.:

#### Hydraulic Group

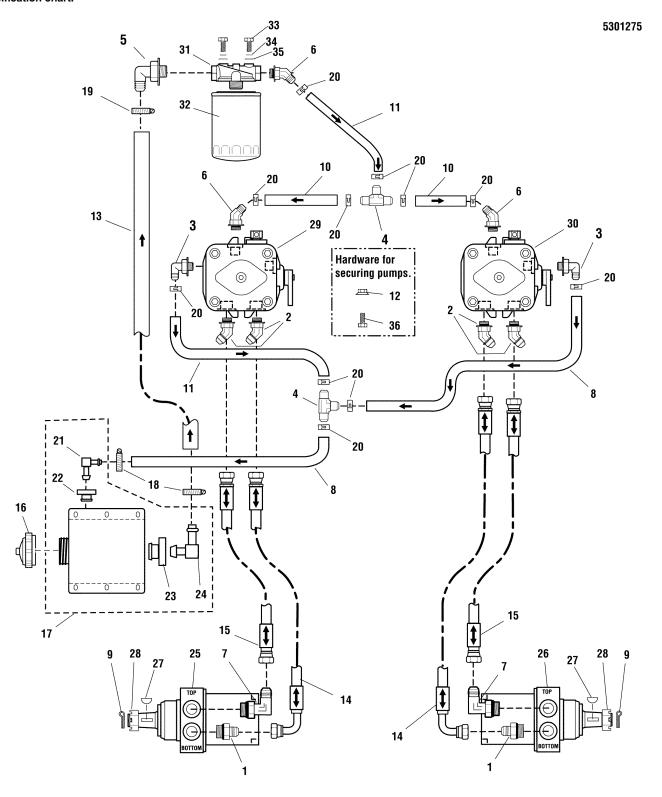
REF NO	D. PART NO.	QTY.	DESCRIPTION
39	5100162SM	1	FAN SHROUD (S/N: 2012607200 & ABOVE)

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.: 5900762 - Citation

5301275

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



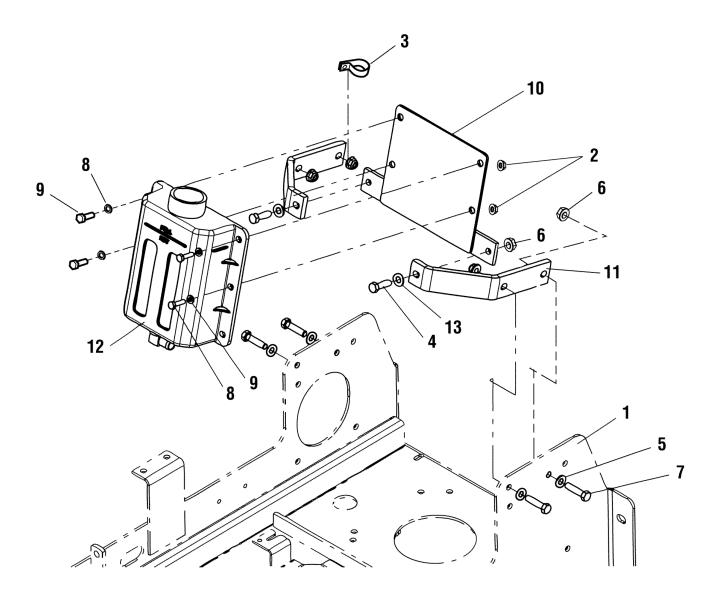
The above parts group applies to the following Mfg. Nos.: 5900764 - Citation

#### Hydraulic Group - 28 HP Briggs & Stratton Models

Hyara	ulic Group - 2	28 MF	Briggs & Stratton Wodels
REF NO	D. PART NO.	QTY.	DESCRIPTION
1	5022634SM	2	ADAPTER, HYD.
2	5023338SM	4	FITTING, #8 JIC - #8 O-RING, 45 DEG.
3	5023267SM	2	ADAPTER, 90 DEG, 9/16-3/8 BARB
4	5022920SM	2	FITTING, TEE, 1/2 HOSE
5	5023346SM	1	ADAPTER, 90 DEG, 9/16-5/8 BARB
6	5023461SM	3	ADAPTER, 45 DEG, 9/16-3/8 BARB
7	5023276SM	2	FITTING, #10 ORING-#8 JIC, 90D
8	5050860X22SM	2	HOSE, 3/8" PUSH-LOCK, 22.00"
9	5025203X16SM	2	PIN, COTTER, 1/8 X 2
10	5050860X6SM	2	HOSE, 3/8" PUSH-LOCK, 6.00"
11	5050860X8SM	2	HOSE, 3/8" PUSH-LOCK, 8.00"
12	5025128SM	4	NUT, 3/8-16 HEX SERRATED FLANGE
13	5050933X24SM	1	HOSE, 5/8, PUSH-LOCK, 24.00"
14	5100248SM	2	HOSE ASSEMBLY, 26.50"
15	5100249SM	2	HOSE, ASSEMBLY, 22.5
16	5100017SM	1	CAP, HYDRAULIC, SHIELDED VENT
17	5061712SM	1	TANK, HYDRAULIC, ASSEMBLY (Includes Ref. Nos 21,22,23, and 24)
18	5022922SM	1	CLAMP, #4 HOSE, STAINLESS
19	5021164SM	2	CLAMP, #10 HOSE, STAINLESS
20	5023268SM	11	CLAMP, HOSE
21	5023118SM	1	FITTING, ELBOW, 3/8" (SV)
22	5600050SM	1	KIT, GROMMET (SV)
23	5023121SM	1	GROMMET (SV)
24	5023119SM	1	FITTING, ELBOW, 5/8" (SV)
25	5100407SM	1	WHEEL MOTOR, 15IN3/REV - LH (Includes Ref. Nos 27 and 28)
26	5100410SM	1	WHEEL MOTOR, 15IN3/REV - RH (Includes Ref. Nos 27 and 28)
27	5022042X2SM	2	KEY
28	5022042X3SM	2	NUT, CASTLE, 1-20
29	5100670SM	1	PUMP, HYDRO-GEAR, 12CC - LH (Incl. Ref. No 37 and 38.)
30	5100671SM	1	PUMP, HYDRO-GEAR, 12CC - RH (Incl. Ref. No 37 and 38.)
31	5023096SM	1	FILTER HEAD, HYDRAULIC
32	1719168SM	1	FILTER, OIL
33	5025010X6SM	2	BOLT, 1/4-20 X 3/4 GD5 YZ
34	5025154SM	6	WASHER, 1/4 SAE
35	5025169SM	2	WASHER, 1/4 LOCK
36	5025013X10SM	4	BOLT, 3/8-16 X 1-1/4 GD5
37	5100162SM	2	FAN SHROUD (Not Shown)
38	5100161X1SM	2	FAN, HYD. PUMP (Not Shown)

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



The above parts group applies to the following Mfg. Nos.:

## Hydraulic Mount Group

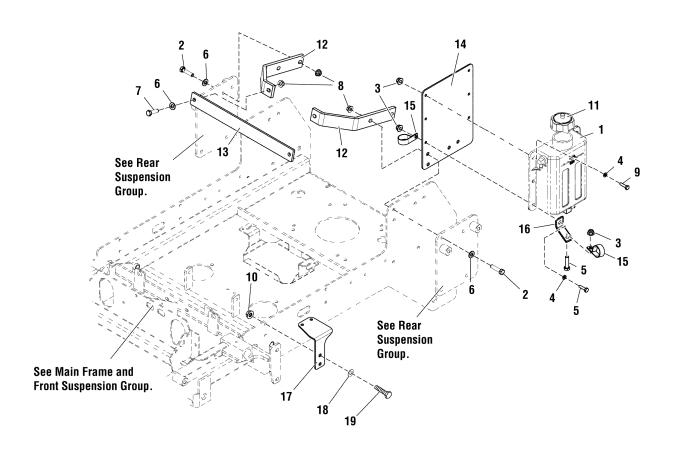
REF NO.	PART NO.	QTY.	DESCRIPTION
1	-	-	MAIN FRAME
2	5025391SM	4	NUT, 1/4-20 HEX NYLOCK FLANGE
3	5023173SM	1	CLAMP, VINYL, 1"
4	5025013X10SM	2	BOLT, 3/8-16 X 1-1/4"
5	5025156SM	4	WASHER, 3/8" SAE
6	5025394SM	6	NUT, 3/8-16 Hex Nylock Flange
7	5025013X12SM	4	BOLT, 3/8-16 X 1-1/2"
8	5025154SM	4	WASHER, 1/4" SAE
9	5025010X8SM	4	BOLT, 1/4-20 X 1"
10	5061747CSM	1	HYDRAULIC TANK MOUNT
11	5061746CSM	2	MOUNT BRACKET
12	-	1	HYDRAULIC TANK
13	5025293SM	2	WASHER, 3/8" GR. 9 FLAT

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

5301437

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



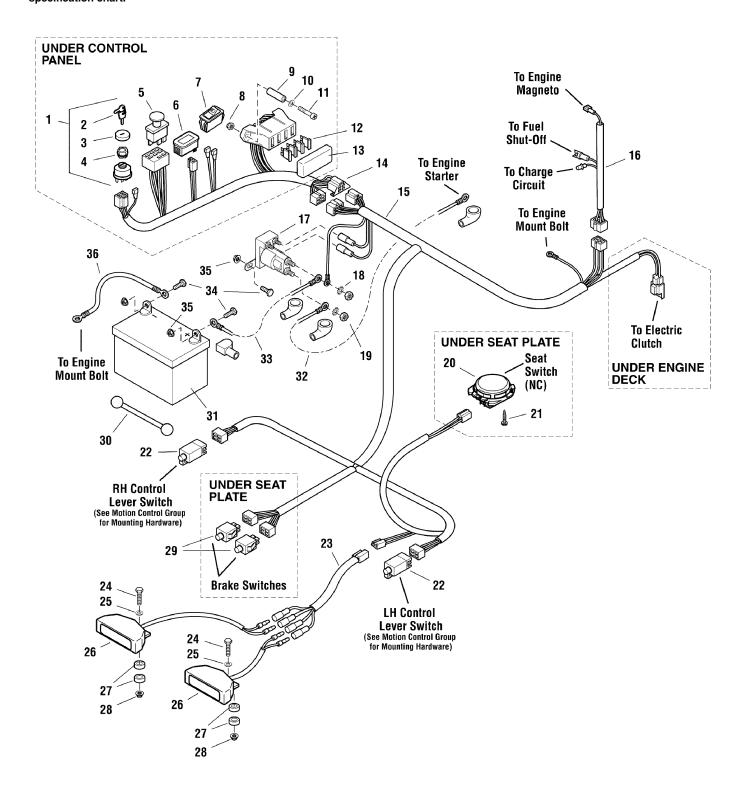
The above parts group applies to the following Mfg. Nos.:

### Hydraulic Mount Group - 28 HP Briggs & Stratton Models

			1	35
REF I	NO.	PART NO.	QTY.	DESCRIPTION
1	-		1	TANK, HYDRAULIC, ASSEMBLY (See Hydraulic Group)
2	5	025013X12SM	4	BOLT, 3/8-16 X 1-1/2 GD5 YZ
3	5	025391SM	4	NUT, 1/4-20 HEX NYLOCK FLANGE
4	5	025154SM	4	WASHER, 1/4 SAE
5	5	025010X8SM	2	BOLT, 1/4-20 X 1, GD5
6	5	025156SM	6	WASHER, 3/8 SAE
7	5	025013X10SM	2	BOLT, 3/8-16 X 1-1/4 GD5
8	5	025394SM	6	NUT, 3/8-16 HEX NYLOCK FLANGE
9	5	025010X6SM	3	BOLT, 1/4-20 X 3/4 GD5 YZ
10	5	025392SM	2	NUT, 5/16-18 HEX NYLOCK FLANGE
11	-		1	CAP, HYDRAULIC (See Hydraulic Group)
12	5	401952CSM	2	BAR, STABILIZER, SIDE - ORG
13	5	401955CSM	1	BAR, STABILIZERS, CENTER - ORG
14	5	401954CSM	1	PLATE, HYDRAULIC TANK MOUNT - ORG
15	5	021500SM	2	CLAMP, VINYL INSULATED
16	5	401736CSM	1	BRACKET, HOSE - ORG
17	5	403945CSM	1	MOUNT, OIL FILTER - ORG
18	5	025155SM	2	WASHER, 5/16 SAE
19	5	025011X8SM	2	BOLT, 5/16-18 X 1 GD5 YZ

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

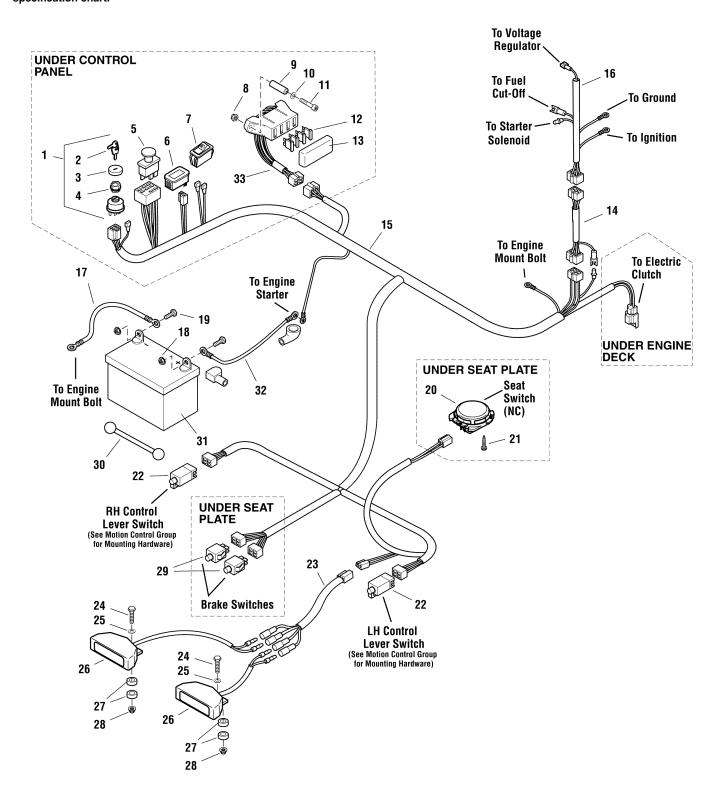


The above parts group applies to the following Mfg. Nos.:

## Electrical Group - 25HP Kawasaki

Electr	icai Group - A	2 <b>3</b> ПР	Nawasaki
REF NO	D. PART NO.	QTY.	DESCRIPTION
1	5020927SM	1	SWITCH, Ignition, Complete
2	5022789SM	1	KEY, Ignition Molded
3	5022790SM	1	COVER
4	5022791SM	1	PLASTIC NUT
5	5022180SM	1	SWITCH, PTO
6	5100996SM	1	HOUR METER
7	1703799SM	1	HEADLIGHT SWITCH
8	5025271SM	2	NUT, #10-24 Hex Nylon Lock
9	5061763SM	2	SPACER, .20 x .38 x 1.25
10	5023499SM	2	WASHER, #10 SAE
11	5025270X16SM	2	SCREW, #10-24 x 2"
12	5021603SM	4	FUSE, 20A
13	5022805SM	1	FUSE BLOCK COVER
14	5400067SM	1	HARNESS ASSEMBLY, Control Panel
15	5400068SM	1	HARNESS ASSEMBLY, Main
16	5049973SM	1	ENGINE HARNESS, Kawi
17	1686981SM	1	SOLENOID
18	5023217SM	2	WASHER, Light Lock, 5/16
19	2820438SM	2	NUT, Hex Jam, 5/16-24
20	1716368SM	1	SWITCH, Seat, Gray, NC (BOLT-IN)
20	1718981SM	1	SWITCH, Seat, Gray, NC (TWIST-IN)
21	1960536SM	2	BOLT, Hex Washer Head PLASTITE, 1/4 X 1/2
22	5022095SM	2	SWITCH, Plunger, NO/NC
23	5061793SM	1	HEADLIGHT HARNESS
24	5025010X10SM	2	BOLT, 1/4-20 X 1-1/4
25	5025154SM	2	WASHER, 1/4" SAE
26	5023482SM	2	HEADLIGHT
27	5044933SM	4	SPACER, .39 X .75 X .38
28	5025391SM	2	NUT, 1/4-20 Hex Nylock Flange
29	5022182SM	2	SWITCH, Plunger, Snap-In, NO/NC
30	1722009SM	1	STRAP, BATTERY, 14 LONG, Rubber
31	-	1	BATTERY, Lawn & Garden, 12V (BCIU1, 340 CCA)
32	5023488SM	1	POSITIVE (+) BATTERY CABLE, 22"
33	5021405SM	1	POSITIVE (+) BATTERY CABLE, 22"
34	5025010X6SM	4	BOLT, 1/4-20 x 3/4
35	5025126SM	4	NUT, 1/4-20 Hex Serrated Flange
36	5044014SM	1	CABLE, Ground

#### **Footnotes**

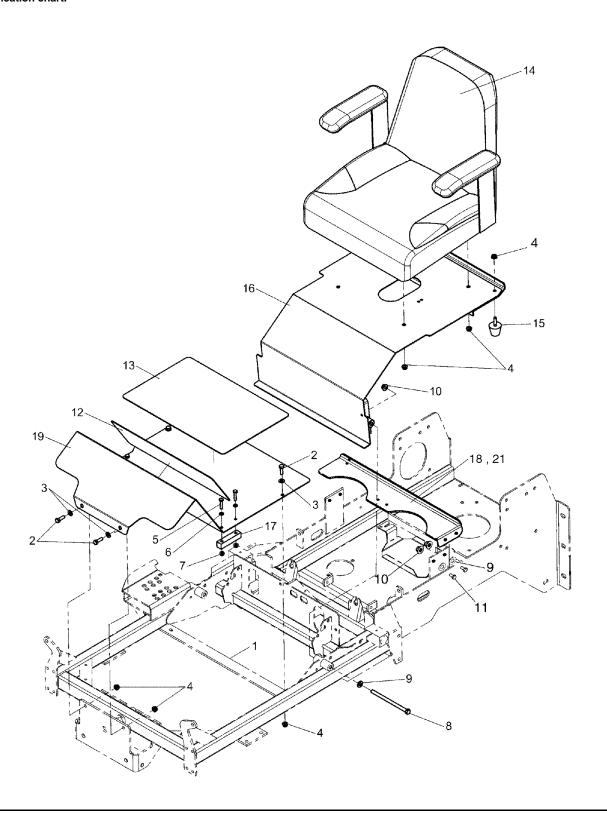


## Electrical Group - 28 HP Briggs & Stratton

Liecti	icai Gioup - i	20 111	Briggs & Strattori
REF NO	D. PART NO.	QTY.	DESCRIPTION
1	5020927SM	1	SWITCH, Ignition, Complete
2	5022789SM	1	KEY, Ignition Molded
3	5022790SM	1	COVER
4	5022791SM	1	PLASTIC NUT
5	5022180SM	1	SWITCH, PTO
6	5100996SM	1	HOUR METER
7	1703799SM	1	HEADLIGHT SWITCH
8	5025271SM	2	NUT, #10-24 Hex Nylon Lock
9	5061763SM	2	SPACER, .20 x .38 x 1.25
10	5023499SM	2	WASHER, #10 SAE
11	5025270X16SM	2	SCREW, #10-24 x 2"
12	5021603SM	4	FUSE, 20A
13	5022805SM	1	FUSE BLOCK COVER
14	5401204SM	1	WIRE HARNESS, BRIGGS, JUMPER
15	5403908SM	1	WIRE HARNESS, MAIN, IS1500ZX
16	-	1	ENGINE HARNESS
17	5044014SM	1	CABLE, Ground
18	5025126SM	4	NUT, 1/4-20 Hex Serrated Flange
19	5025010X6SM	4	BOLT, 1/4-20 x 3/4
20	1716368SM	1	SWITCH, Seat, Gray, NC (BOLT-IN)
20	1718981SM	1	SWITCH, Seat, Gray, NC (TWIST-IN)
21	1960536SM	2	BOLT, Hex Washer Head PLASTITE, 1/4 X 1/2
22	5022095SM	2	SWITCH, Plunger, NO/NC
23	5061793SM	1	HEADLIGHT HARNESS
24	5025010X10SM	2	BOLT, 1/4-20 X 1-1/4
25	5025154SM	2	WASHER, 1/4" SAE
26	5023482SM	2	HEADLIGHT
27	5044933SM	4	SPACER, .39 X .75 X .38
28	5025391SM	2	NUT, 1/4-20 Hex Nylock Flange
29	5022182SM	2	SWITCH, Plunger, Snap-In, NO/NC
30	1722009SM	1	STRAP, BATTERY, 14 LONG, Rubber
31	-	1	BATTERY, WET ( BCIU1, 340 CCA)
32	5021405SM	1	BATTERY CABLE, POSITIVE, 22
33	5401328SM	1	WIRE HARNESS, FUSE BLOCK - IS2000

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



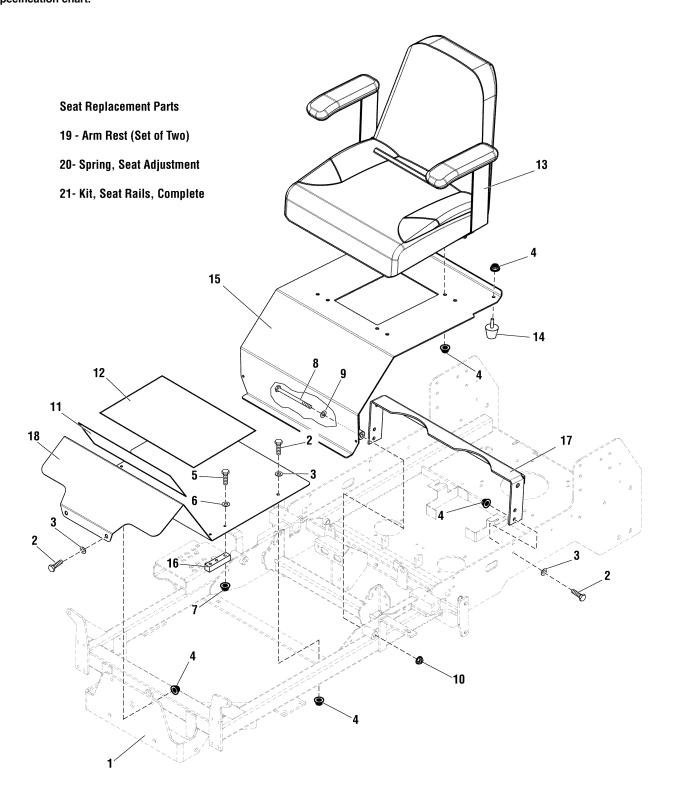
The above parts group applies to the following Mfg. Nos.: 5900762 - Citation

# Seat, Mount & Floor Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1 -	-	-	MAIN FRAME
2	5025011X8SM	4	BOLT, 5/16-18 X 1
3	5025292SM	4	WASHER 5/16" Gr. 9 Flat
4	5025392SM	10	NUT, 5/16-18 Hex Nylock Flange
5	5025010X10SM	4	BOLT, 1/4-20 X 1-1/4
6	5025154SM	4	WASHER, 1/4" SAE
7	5025391SM	4	NUT, 1/4-20 Hex Nylock Flange
8	5025013X48SM	2	BOLT, 3/8-16 X 6
9	5025156SM	6	WASHER 3/8" SAE
10	5025394SM	4	NUT, 3/8-16 Hex Nylock Flange
11	5025013X8SM	4	BOLT, 3/8-16 X 1" GD5 YZ
12	5049979SM	1	SAFETY WALK, FLOOR REST
13	5049978SM	1	SAFETY WALK, FLOOR PLATE
14	5061599SM	1	SEAT, BLACK
15	5022612SM	2	RUBBER BUMPER
16	5401389SM	1	SEAT PLATE (Includes Safety Decal.)
17	5100643SM	2	BLOCK, DECK LIFT SUPPORT
18	5400849CSM	1	SUPPORT, SEAT PLATE (S/N: 2012619803 & Below)
19	5049953CSM	1	PLATE, FLOOR
20	1686907SM	1	ARM REST (SET OF 2)
21	5403632CSM	1	PLATE, SEAT SUPPORT - ORG (S/N: 2012619804 & Above)

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



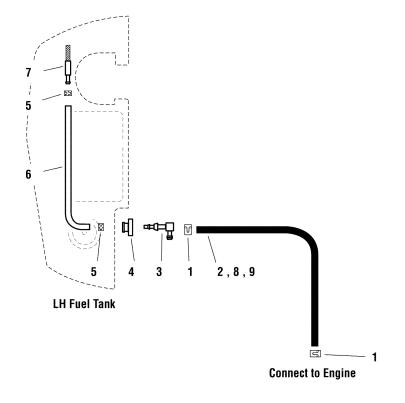
## Seat, Mount & Floor Group - 28 HP Briggs & Stratton Models

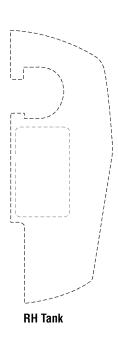
REF NO.	PART NO.	QTY.	DESCRIPTION
1	-	-	MAIN FRAME
2	5025011X8SM	8	BOLT, 5/16-18 X 1 GD5 YZ
3	5025155SM	8	WASHER, 5/16 SAE
4	5025392SM	14	NUT, 5/16-18 HEX NYLOCK FLANGE
5	5025010X10SM	4	BOLT, 1/4-20 X 1-1/4, GD5
6	5025154SM	4	WASHER, 1/4 SAE
7	5025391SM	4	NUT, 1/4-20 HEX NYLOCK FLANGE
8	5025013X44SM	2	BOLT, 3/8-16 X 5-1/2 GD5 YZ
9	5025156SM	2	WASHER, 3/8 SAE
10	5025394SM	2	NUT, 3/8-16 HEX NYLOCK FLANGE
11	5101011SM	1	SAFETY WALK, 8.00 X 15.00
12	5101013SM	1	SAFETY WALK, 11.50 X 15.00
13	5061599SM	1	SEAT, XB-180, NO LOGO, BLACK
14	5022612SM	2	BUMPER, RUBBER 5/16-18
15	5401589CSM	1	WELD, SEAT PLATE - IS2000 - ORG
16	5100643SM	2	BLOCK, DECK LIFT SUPPORT
17	5403954CSM	1	WELD, SEAT SUPPORT - ORG
18	5403953CSM	1	PLATE, FLOOR - ORG
19	1686907SM	1	ARM REST (SET OF 2)
20	5100636SM	1	SPRING, SEAT ADJUSTMENT
21	5061599X1SM	1	KIT, SEAT RAILS, COMPLETE

#### **Footnotes**

287fsh0

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.





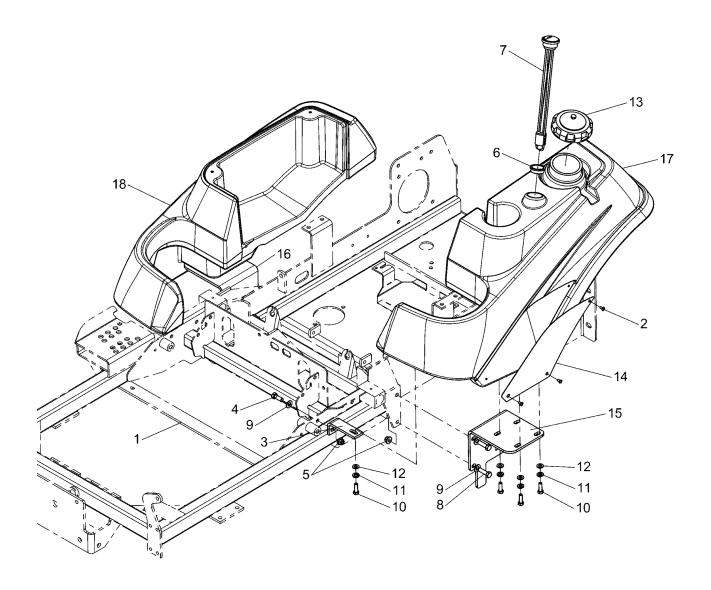
The above parts group applies to the following Mfg. Nos.:

## Fuel Supply Hose Group & Tank Replacement Parts Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5020835SM	2	CLAMP, HOSE, EXTERNAL, 1/2 - RED
2	5050831X16SM	1	HOSE, 1/4" FUEL, 16.00" (21 & 23 HP BRIGGS & STRATTON MODELS)
3		1	SEE REF # 6
4	5600050SM	1	FUEL BUSHING
5		2	SEE REF # 6
6	5101149SM	1	HOSE ASSEMBLY
7		1	SEE REF # 6
8	5050831X10SM	1	HOSE, 1/4" FUEL, 10.00" (25 HP KAWASAKI MODELS)
9	5050831X12SM	1	HOSE, 1/4" FUEL, 12.00" (28 HP BRIGGS & STRATTON MODELS)

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



The above parts group applies to the following Mfg. Nos.:

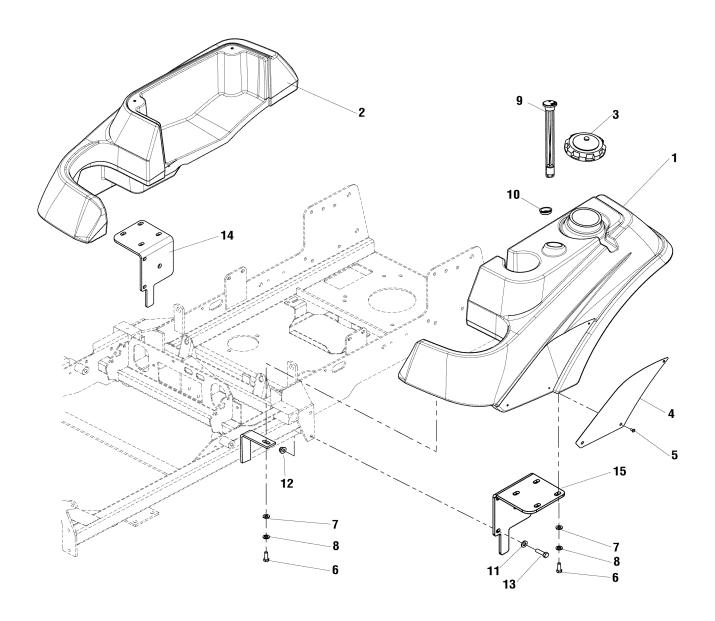
## Fuel Tank & Mount Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1 -	-	-	MAIN FRAME
2 5	5025386SM	6	SCREW, Allen Head, #10-24 x 3/8"
3 5	5400012CSM	2	MOUNT, TANK, FRONT
4 5	5025013X8SM	2	BOLT, 3/8-16 X 1" GD5
5 5	5025394SM	6	NUT, 3/8-16 Hex Nylock Flange
6 5	5022917X1SM	1	GROMMET
7 5	5022917SM	1	GAUGE, FUEL LEVEL
8 5	5025013X10SM	4	BOLT, 3/8-16 X 1-1/4"
9 5	5025293SM	6	WASHER 3/8" GD.9 FLAT
10 5	5025011X8SM	10	BOLT, 5/16-18 X 1"
11 5	5025170SM	10	WASHER, 5/16" Lock
12 5	5025292SM	10	WASHER, 5/16" GD.9 FLAT
13 5	5022158SM	1	FUEL TANK CAP
14 5	5400250CSM	2	PLATE, BADGE
15 5	5049942CSM	1	TANK MOUNT - LH
16 5	5049941CSM	1	TANK MOUNT - RH
17 5	5049947SM	1	TANK, FUEL - LH
18 5	5049948SM	1	TANK - RH

#### **Footnotes**

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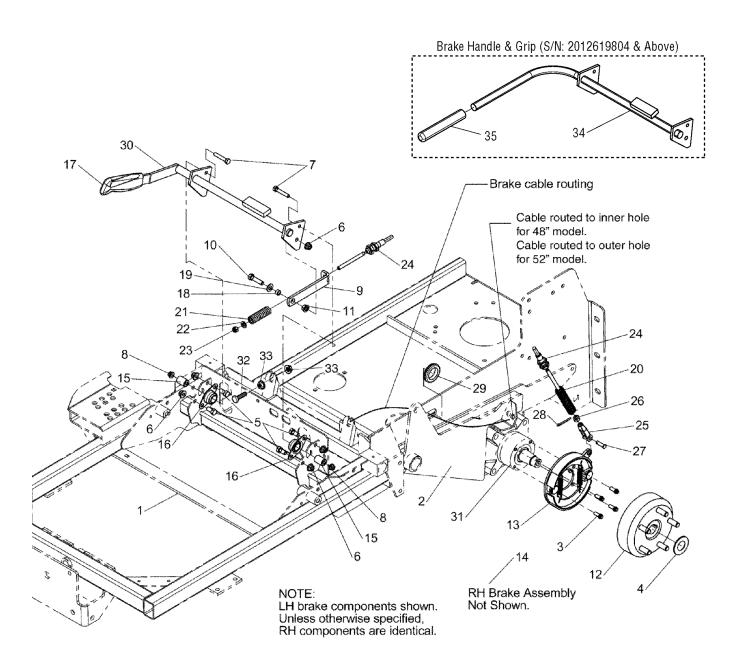
NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



## Fuel Tank & Mount Group - 28 HP Briggs & Stratton Models

DEE NO	DADTNO	OTV	DECODIDEION
REF NO.	. PART NO.	QIY.	DESCRIPTION
1	5049947SM	1	TANK, FUEL, 1500Z - LH
2	5049948SM	1	TANK, FENDER, 1500Z - RH
3	5101272SM	1	FUEL CAP, 3.5", VENTED
4	5400250CSM	2	BADGE, IS1500Z, ORG
5	5025386SM	6	SCREW, #10-24 X 3/8 ALLEN BHBZ
6	5025011X8SM	10	BOLT, 5/16-18 X 1 GD5 YZ
7	5025170SM	10	WASHER, 5/16 LOCK YZ
8	5025155SM	10	WASHER, 5/16 SAE
9	5022917SM	1	GAUGE, FUEL LEVEL
10	5022917X1SM	1	GROMMET
11	5025156SM	4	WASHER, 3/8 SAE
12	5025394SM	4	NUT, 3/8-16 HEX NYLOCK FLANGE
13	5025013X8SM	4	BOLT, 3/8-16 X 1 GD5 YZ
14	5403942CSM	1	WELD, TANK MOUNT - RH - ORG
15	5403943CSM	1	WELD, TANK MOUNT - LH - ORG

#### **Footnotes**



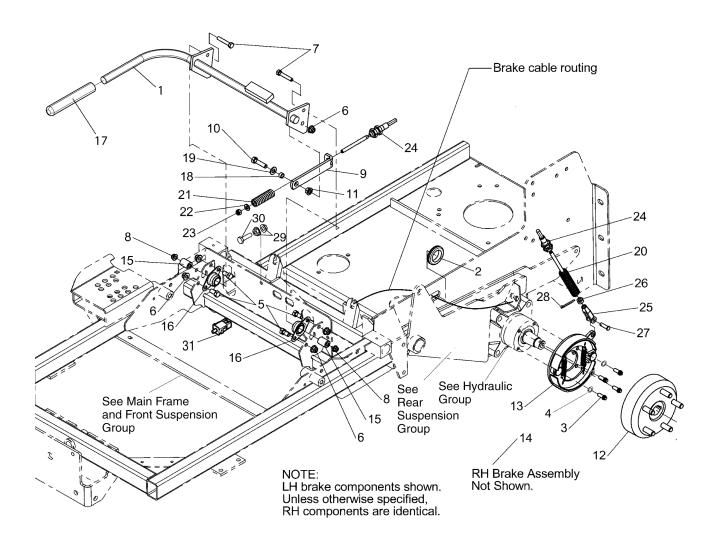
The above parts group applies to the following Mfg. Nos.:

## Parking Brake Group

	ing Brane are		
REF N	IO. PART NO.	QTY.	DESCRIPTION
1	-	-	MAIN FRAME
2	-	-	MOTOR MOUNT
3	5023490SM	8	BOLT, 5/16-18 X 3/4 12PT FLANGE - PATCH
4	5023249SM	2	WASHER, 1 x 2
5	5025013X6SM	4	BOLT, 3/8-16 X 3/4"
6	5025394SM	6	NUT, 3/8-16 Hex Nylock Flange
7	5025011X14SM	2	BOLT, 5/16-18 X 1-3/4"
8	5025392SM	2	NUT, 5/16-18 Hex Nylock Flange
9	5061794CSM	2	BRAKE LOCK LINK
10	5025013X12SM	2	BOLT, 3/8-16 X 1-1/2"
11	5025128SM	2	NUT, 3/8-16 Hex Serrated Flange
12	5023368SM	2	WHEEL & BRAKE HUB
13	5023500SM	1	BRAKE ASSEMBLY, LH
14	5023501SM	1	BRAKE ASSEMBLY, RH
15	5042134SM	2	SPACER, .32 X .75 X 1.06
16	5021098SM	2	BEARING, Flange
17	5100171SM	1	GRIP, BLACK FLEXIBLE
18	5041930SM	2	SPACER, .38 X .50 X .27
19	5025156SM	2	WASHER, 3/8" SAE
20	5023320SM	2	SPRING, Compression
21	5022361SM	2	SPRING, Compression
22	5025155SM	2	WASHER, 5/16" SAE
23	5025045SM	2	NUT, 5/16-24 Hex Nylon Lock
24	5100087SM	2	PARKING BRAKE CABLE (S/N: 2012619803 & Below)
25	5020979SM	2	CLEVIS, 5/16-24, Plastic
26	5025033SM	2	NUT, 5/16-24 Hex
27	5025213X8SM	2	CLEVIS PIN, 5/16" X 1"
28	5025211SM	2	PIN, HAIR, .0585" X 1-1/8"
29	5021397SM	2	GROMMET, 1-1/4"
30	5049831CSM	1	BRAKE SHAFT (S/N: 2012619803 & Below)
31	-	-	WHEEL MOTOR
32	5025011X9SM	1	BOLT, 5/16"-18 X 1 1/8"
33	5025139SM	2	NUT, 5/16"-18 SERR. LG. FLANGE
34	5403631CSM	1	WELD, BRAKE SHAFT - ORANGE (S/N: 2012619804 & Above)
35	5101038SM	1	GRIP, FOAM 3/4 ID X 6 X .187 (S/N: 2012619804 & Above)

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



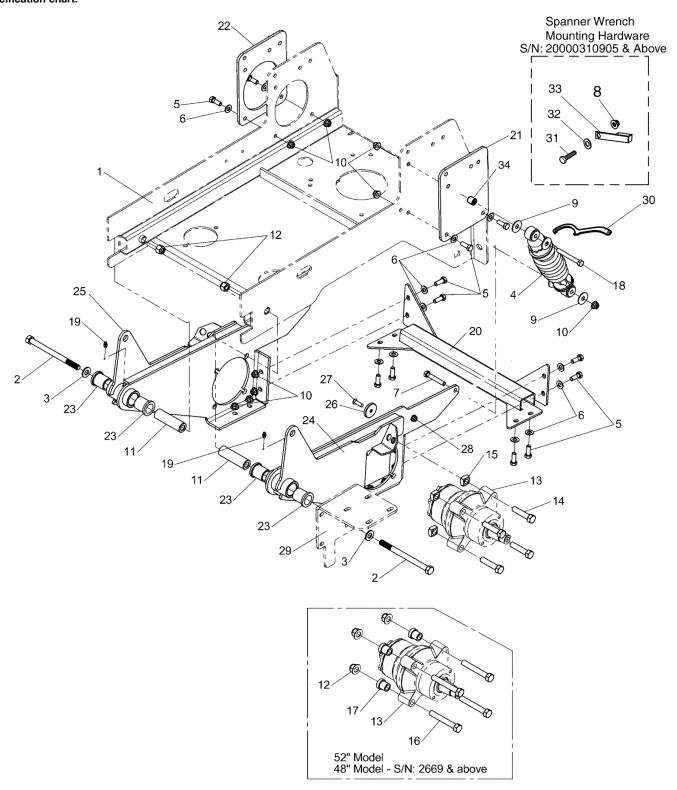
The above parts group applies to the following Mfg. Nos.:

## Parking Brake Group - 28 HP Briggs & Stratton Models

DEE NO	N DADT NO	OTV	DECODIDATION
	D. PART NO.		DESCRIPTION
1	5403948CSM	1	WELD, BRAKE SHAFT - ORG
2	5021397SM	2	GROMMET, 1-1/4
3	5023490SM	8	BOLT, 5/16-18 X 3/4 12PT FLANGE - PATCH
4	5025170SM	8	WASHER, 5/16 LOCK YZ
5	5025013X6SM	4	BOLT, 3/8-16 X 3/4 GD5 YZ
6	5025394SMSM	4	NUT, 3/8-16 HEX NYLOCK FLANGE
7	5025011X14SM	2	BOLT, 5/16-18 X 1-3/4 GD5 YZ
8	5025392SM	2	NUT, 5/16-18 HEX NYLOCK FLANGE
9	5047084CSM	2	LINK, BRAKE LOCK - ORG
10	5025013X12SM	2	BOLT, 3/8-16 X 1-1/2 GD5 YZ
11	5025128SM	2	NUT, 3/8-16 HEX SERRATED FLANGE
12	5023368SM	2	DRUM,1-1/4TAPER,5 BOLT
13	5023500SM	1	ASSM, BRAKE, 1-1/4 HUB, LH
14	5023501SM	1	ASSM, BRAKE, 1-1/4 HUB, RH
15	5042134SM	2	SPACER, .32 X .75 X 1.06
16	5021098SM	2	BEARING, BRONZE FLANGE, 3/4
17	5101038SM	1	GRIP, FOAM, 3/4 ID X 6 X .187
18	5041930SM	2	SPACER, .38 X .50 X .27
19	5025156SM	2	WASHER, 3/8 SAE
20	5023320SM	2	SPRING, COMPRESSION
21	5048719SM	2	SPRING-COMP, .75 X .162 X 2.5
22	5025155SM	2	WASHER, 5/16 SAE
23	5025045SM	2	NUT, 5/16-24 HEX NYLON LOCK
24	5100115SM	2	CABLE, PARKING BRAKE IS2000
25	5020979SM	2	CLEVIS, 5/16-24, PLASTIC
26	5025033SM	2	NUT, 5/16-24 HEX
27	5025213X8SM	2	PIN, CLEVIS, 5/16 X 1 YZ
28	5025211SM	2	PIN, HAIR, .0585 X 1-1/8, 1/4 EYE, YZ
29	5025139SM	2	NUT, 5/16-18 HEX SERRATED FLANGE (LARGE)
30	5025011X10SM	1	BOLT, 5/16-18 X 1-1/4 GD5 YZ
31	5022182SM	1	SWITCH, PLUNGER, NO/NC SNAP-IN

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



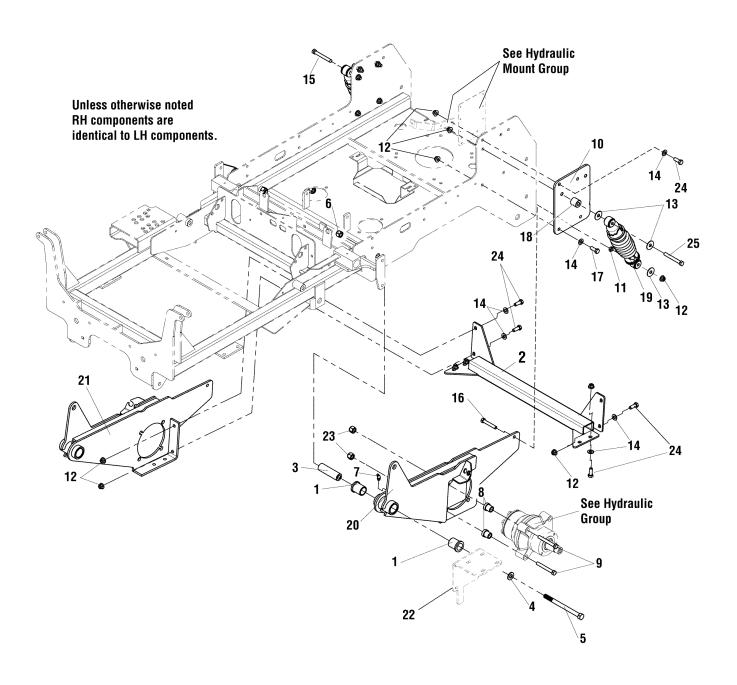
The above parts group applies to the following Mfg. Nos.:

## Rear Suspension Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	-	-	MAIN FRAME
2	5025017X52SM	2	BOLT, 1/2-13 X 6-1/2"
3	5025158SM	10	WASHER, 1/2" SAE
4	5023436SM	2	SHOCK ASSEMBLY
5	5025013X10SM	12	BOLT, 3/8-16 X 1-1/4"
6	5025293SM	12	WASHER, 3/8" GR. 9 FLAT
7	5025013X18SM	2	BOLT, 3/8-16 X 2-1/4"
8	5025391SM	1	NUT, 1/4" -20 NYLOCK FLANGE
9	5025165SM	8	WASHER, 3/8" FENDER
10	5025394SM	16	NUT, 3/8-16 Hex Nylock Flange
11	5061339SM	2	SPACER, .52 X 1.00 X 3.42
12	5025396SM	8	1/2 - 13 NYLOCK FLANGE NUT
13	-	-	WHEEL MOTOR
14	5023481SM	4	BOLT, 1/2-13 X 2-1/4" w/ Loctite Patch
15	5025330SM	4	NUT, 1/2-13 Square
16	5025017X28SM	8	BOLT, 1/2-13 X 3-1/2"
17	5061670SM	8	SPACER, .53 X 1.00 X 1.00
18	5025013X28SM	2	BOLT, 3/8-16 X 3 1/2"
19	5020020SM	2	GREASE FITTING
20	5404064CSM	1	TIE BAR - 48" MODELS ONLY
20	5404065CSM	1	TIE BAR - 52" MODELS ONLY
21	5061751CSM	1	PLATE, FRAME SUPPORT
22	5061753CSM	1	FRAME SUPPORT, RH
23	5021541SM	4	BUSHING, Flange
24	5401357CSM	1	MOTOR MOUNT, RH
24	5401166CSM	1	MOTOR MOUNT, RH
25	5401356CSM	1	MOTOR MOUNT, LH
25	5401165CSM	1	MOTOR MOUNT, LH
26	5400065SM	2	SPACER, .34 X 1.54 X .25
27	5025303SM	2	SCREW, 5/16-18 X 1
28	5025392SM	2	NUT, 5/16-18 Hex Nylock Flange
29	-	-	TANK MOUNT
30	5022853SM	1	SPANNER WRENCH
31	5025010X6SM	1	BOLT 1/4-20 X 3/4"
32	5025154SM	1	WASHER, 1/4" SAE
33	5025430SM	1	CLAMP, DOUBLE TUBE
34	5100896SM	2	SPACER, 390 X 1.00 X 1.00 - YZ

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



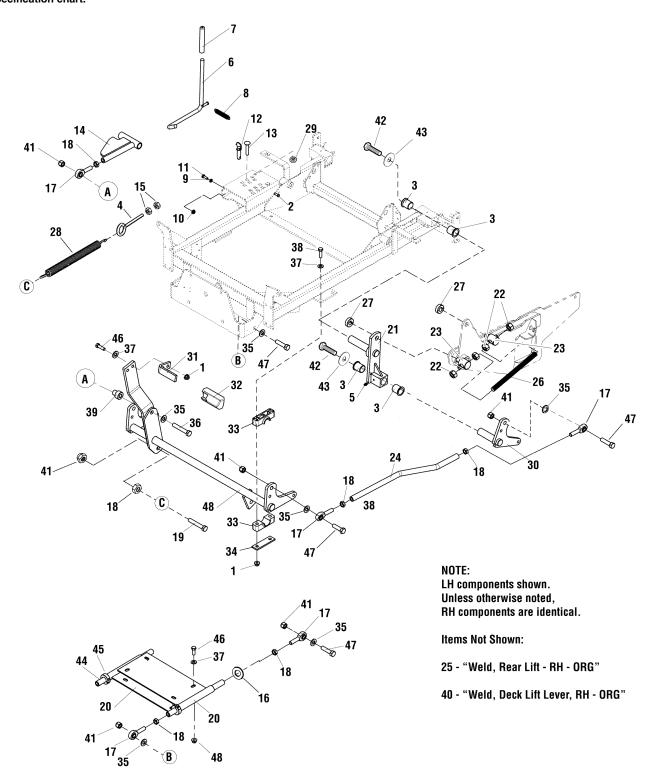
## Rear Suspension Group - 28 HP Briggs & Stratton Models

REF NO	. PART NO.	QTY.	DESCRIPTION
1	5021541SM	4	BUSHING, FLANGE
2	5404051CSM	1	WELD, TIE BAR - ORG
3	5061339SM	2	SPACER, .52 X 1.00 X 3.42
4	5025440SM	2	WASHER, 1/2 GD9 YZ
5	5025017X52SM	2	BOLT, 1/2-13 X 6-1/2 GD8 YZ
6	5025056SM	2	NUT, 1/2-13 HEX NYLON LOCK
7	5020095SM	2	GREASE FITTING, 1/4-28 STRAIGHT
8	5061670SM	8	SPACER, .53 X 1.00 X 1.00
9	5025017X28SM	8	BOLT, 1/2-13 X 3-1/2 GD5
10	5061751CSM	2	PLATE, FRAME SUPPORT - ORG
11	5046860SM	2	SPACER, .39 X 1.00 X .50
12	5025394SM	16	NUT, 3/8-16 HEX NYLOCK FLANGE
13	5025165SM	6	WASHER, 3/8 FENDER
14	5025293SM	12	WASHER, 3/8 GD.9 FLAT
15	5025013X24SM	1	BOLT, 3/8-16 X 3 GD5 YZ
16	5025013X18SM	2	BOLT, 3/8-16 X 2-1/4 GD5 YZ
17	5025013X8SM	4	BOLT, 3/8-16 X 1 GD5 YZ
18	5100896SM	2	SPACER, .390 X 1.00 X 1.00 - YZ
19	5023436SM	2	SHOCK ABSORBER, # 7417-106
20	5401166CSM	1	WELD, MOTOR MOUNT - LH - ORG
21	5401165CSM	1	WELD, MOTOR MOUNT - RH - ORG
22	-	-	FUEL TANK MOUNT (SEE FUEL TANK & MOUNT GROUP)
23	5025396SM	8	NUT, 1/2-13 HEX NYLOCK FLANGE
24	5025013X10SM	12	BOLT, 3/8-16 X 1-1/4 GD5
25	5025013X28SM	1	BOLT, 3/8-16 X 3-1/2 GD5 YZ

#### **Footnotes**

5301434

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



## Deck Lift Group - 28 HP Briggs & Stratton Models

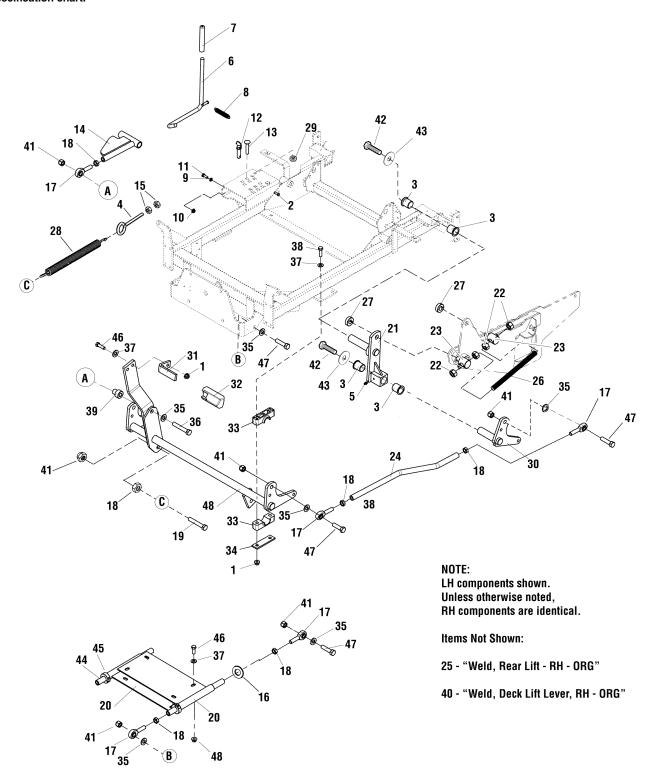
Deck L	.iit Group - 2	:0 ПР	briggs & Stratton models
<b>REF NO</b>	. PART NO.	QTY.	DESCRIPTION
1	5025394SM	4	NUT, 3/8-16 HEX NYLOCK FLANGE
2	5025212X4SM	1	PIN, CLEVIS, 1/4 X 1/2
3	5023343SM	8	BUSHING, 1.00 X 1.13 X 1.38, PLASTIC
4	5021812SM	2	EYE BOLT, 3/8-16 X 4-1/4, 1 EYE
5	5020095SM	2	GREASE FITTING, 1/4-28 STRAIGHT
6	5400719CSM	1	WELD, ROD DECK LIFT - ORG
7	5021880SM	1	GRIP, FOAM
8	5020639SM	1	SPRING, EXTENSION
9	5025154SM	2	WASHER, 1/4 SAE
10	5025126SM	2	NUT, 1/4-20 HEX SERR. FLANGE
11	5025010X6SM	2	BOLT, 1/4-20 X 3/4 GD5 YZ
12	5023498SM	1	PIN, HITCH, 1/2 X 2.00 OAL, YP
13	5025146X16SM	1	BOLT, 3/8-16 X 2, CARRIAGE
14	5400769CSM	1	WELD, DECK ADJUST LINK - ORG
15	5025034SM	4	NUT, 3/8 JAM
16	5025158SM	2	WASHER, 1/2 SAE
17	5022434SM	9	BALL JOINT, 1/2-20, MALE
18	5025089SM	11	NUT, 1/2-20 HEX JAM
19	5025017X18SM	2	BOLT, 1/2-13 X 2-1/4 GD5 YZ
20	5400647CSM	2	WELD, DECK STABILIZER - ORG
21	5401664CSM	1	WELD, REAR LIFT - LH - ORG
22	5025040SM	8	NUT, 5/8-11 HEX
23	5045447SM	4	PIVOT, SPRING ROD
24	5100149SM	2	ROD, DECK LIFT BENT
25	5401665CSM	1	WELD, REAR LIFT - RH - ORG
26	5100247SM	2	ROD, 5/8-11 X 9.00
27	5020441SM	4	COLLAR, 5/8 SPLIT
28	5023355SM	2	SPRING, DECK LIFT ASSIST
29	5025100SM	1	NUT, 3/8-16 HEX SIDE LOCK
30	5401671CSM	1	WELD, DECK LIFT LEVER, LH - ORG
31	5061569CSM	1	PEDAL, FOOT - ORG
32	1715834SM	1	RUBBER, FOOT PEDAL
33	5100634SM	4	PIVOT BLOCK, PLASTIC
34	5403925CSM	2	PLATE, PIVOT BLOCK SUPPORT - ORG
35	5025440SM	12	WASHER, 1/2 GD9 YZ
36	5025017X28SM	4	BOLT, 1/2-13 X 3-1/2 GD5
37	5025156SM	8	WASHER, 3/8 SAE
38	5025013X22SM	4	BOLT, 3/8-16 X 2-3/4 GD5 YZ
39	5047103SM	1	ADAPTER, CASTER AXLE
40	5401672CSM	1	WELD, DECK LIFT LEVER, RH - ORG
41	5025098SM	9	NUT, 1/2-20 HEX NYLON LOCK
42	5025443SM	4	BOLT, 3/8-16 X 3/4, GD5, YZ WITH PATCH
43	5100548SM	4	WASHER, .390 X 1.50 X .109, YZ
44	5049868SM	2	SHAFT, DECK STABILIZER

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

5301434

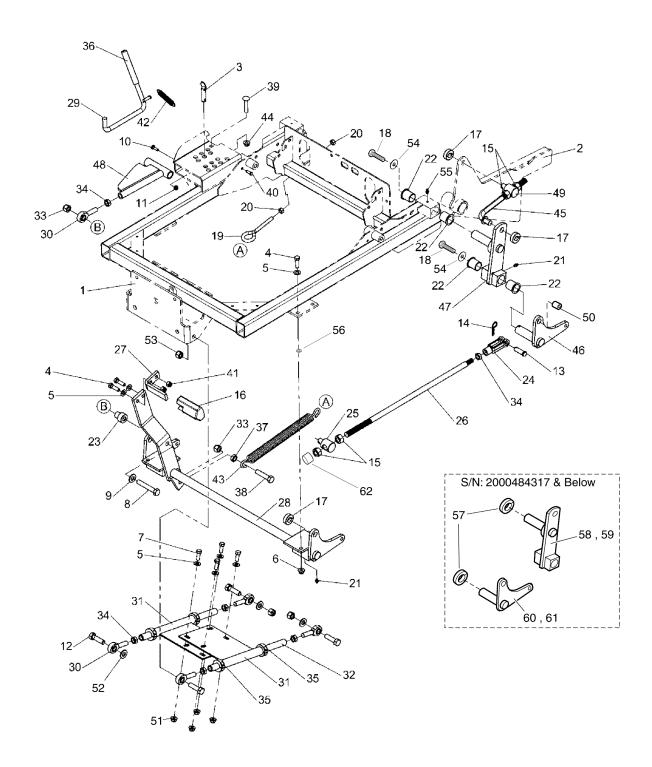
NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



## Deck Lift Group - 28 HP Briggs & Stratton Models

REF NO	D. PART NO.	QTY.	DESCRIPTION
45	5010114SM	2	COLLAR, 3/4 SPLIT
46	5025013X8SM	4	BOLT, 3/8-16 X 1 GD5 YZ
47	5025018X14SM	8	BOLT, 1/2-20 X 1-3/4 GD5 YZ
48	5403949CSM	1	WELD, DECK LIFT SHAFT - ORG

#### **Footnotes**

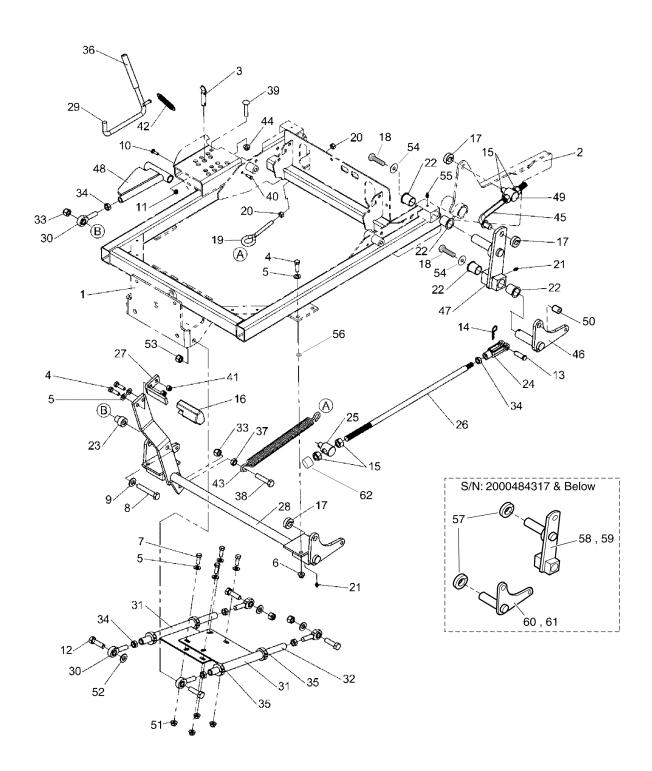


## Deck Lift Group - S/N: 2013202961 & Below

			DISCOURTED W
REF NO.	PART NO.	QTY.	DESCRIPTION
1 -	-	-	MAIN FRAME
2 -	-	-	MOTOR MOUNT
	5023498SM	1	HITCH PIN, 1/2 X 2"
4 5	5025013X10SM	6	BOLT, 3/8-16 X 1-1/4"
5 5	5025293SM	10	WASHER, 3/8 GR. 9 FLAT
6 5	5025394SM	8	NUT, 3/8-16 Hex Nylock Flange
7 5	5025013X8SM	4	BOLT, 3/8-16 X 1"
8 5	5025017X24SM	1	BOLT, 1/2-13 X 3"
9 5	5025158SM	4	WASHER, 1/2" SAE
10 5	5025010X5SM	2	BOLT, 1/4-20 x 5/8"
11 5	5025126SM	2	NUT, 1/4-20 Hex Serrated Flange
12	5025018X14SM	4	BOLT, 1/2-20 X 1-3/4"
13	5025328X12SM	2	CLEVIS PIN, 1/2" X 1-1/2"
14	1918196SM	2	HAIR PIN CLIP
15 5	5025040SM	8	NUT, 5/8-11 HEX
16	1715834SM	1	FOOT PEDAL
17	5020441SM	6	COLLAR, 5/8" Split
18 5	5025443SM	4	BOLT, 3/8-16X3/4 WITH PATCH (S/N: 2000484318 - 2013202961)
19 5	5023497SM	1	EYE BOLT, 3/8-16 X 6"
20	1916950SM	2	NUT, 3/8-16 Hex
21 5	5020095SM	4	GREASE FITTING
22 5	5023343SM	8	BUSHING, Flange
23 5	5047103SM	1	ADAPTER, CASTER AXLE
24	5023174SM	2	CLEVIS, 1/2-20, STEEL
25	5045447SM	2	SPRING ROD PIVOT
26	5049971SM	2	DECK ADJUSTMENT ROD
27	5061569CSM	1	FOOT PEDAL MOUNT
28 5	5049839CSM	1	DECK LIFT SHAFT
29	5061527CSM	1	DECK LIFT LOCK ROD
30 5	5022434SM	5	BALL JOINT, 1/2-20 Male
31 5	5049867CSM	2	DECK STABILIZER
32 5	5049868SM	2	DECK STABILIZER SHAFT
33 5	5025056SM	2	NUT, 1/2-13 Hex Nylon Lock
34 5	5025089SM	7	NUT, 1/2-20 Hex Jam
35 5	5010114SM	4	COLLAR, 3/4" Split
36	5021880SM	1	GRIP
37 5	5025301SM	1	NUT, 1/2-13 Hex Jam
38 5	5025017X18SM	1	BOLT, 1/2-13 X 2-1/4"
39	5025146X16SM	1	CARRIAGE BOLT, 3/8-16 X 2"
40 5	5025412SM	1	CLEVIS PIN, 1/4" x 3/4"
41 5	5025096SM	2	NUT, 3/8-16 Hex Nylon Lock
42 5	5020639SM	1	SPRING, Extension
43 5	5023355SM	1	DECK LIFT SPRING
44 5	5025100SM	1	NUT, 3/8"-16 SIDE LOCK

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



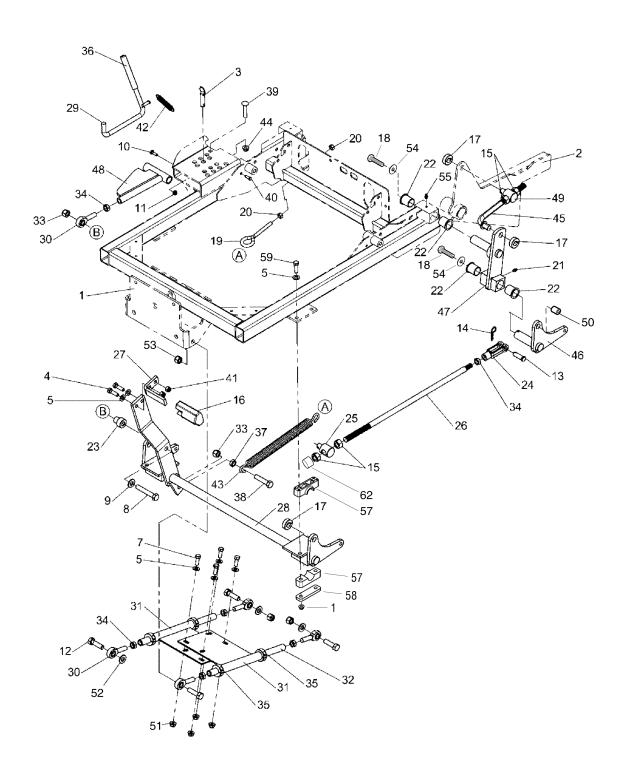
The above parts group applies to the following Mfg. Nos.:

## Deck Lift Group - S/N: 2013202961 & Below

REF NO	. PART NO.	QTY.	DESCRIPTION
45	5049848SM	2	DECK LIFT ROD
46	5402814CSM	1	DECK LIFT PIVOT, LH (S/N: 2000484318 - 2013202961)
46	5402815CSM	1	DECK LIFT PIVOT, RH (S/N: 2000484318 - 2013202961)
47	5600216CSM	1	REAR DECK LIFT, LH (S/N: 2000484318 - 2013202961) (Includes Ref Nos 21 & 22)
47	5401666CSM	1	REAR DECK LIFT, RH (S/N: 2000484318 - 2013202961) (Includes Ref Nos 21 & 22)
48	5061523CSM	1	DECK ADJUST LINK
49	5045447SM	2	SPRING ROD PIVOT
49	5045856SM	2	SPRING ROD PIVOT
50	5061780SM	2	BUSHING, .510 X .625 X .500
51	5025128SM	4	NUT, 3/8"-16 SERRATED FLANGE
52	5025440SM	4	WASHER, 1/2" GR. 9 FLAT
53	5025098SM	4	NUT, 1/2"-20 NYLON LOCK
54	5100548SM	4	FLAT WASHER, THICK (S/N: 2000484318 - 2013202961)
55	5020020SM	2	GREASE FITTING 45
56	5025156SM	4	WASHER, 3/8" SAE
57	5020602SM	4	COLLAR, 1" SPLIT (S/N: 2000484317 & Below) (Includes Ref Nos 21 & 22)
58	5049836CSM	1	WELD, REAR LIFT, LH - ORG (S/N: 2000484317 & Below) (Includes Ref Nos 21 & 22)
59	5049837CSM	1	WELD, REAR LIFT, RH - ORG (S/N: 2000484317 & Below)
60	5045449CSM	1	WELD, PIVOT, DECK LIFT - LH - ORG (S/N: 2000484317 & Below)
61	5045450CSM	1	WELD, PIVOT, DECK LIFT - RH - ORG (S/N: 2000484317 & Below)
62	5101028SM	2	CAP, BLACK VINYL

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



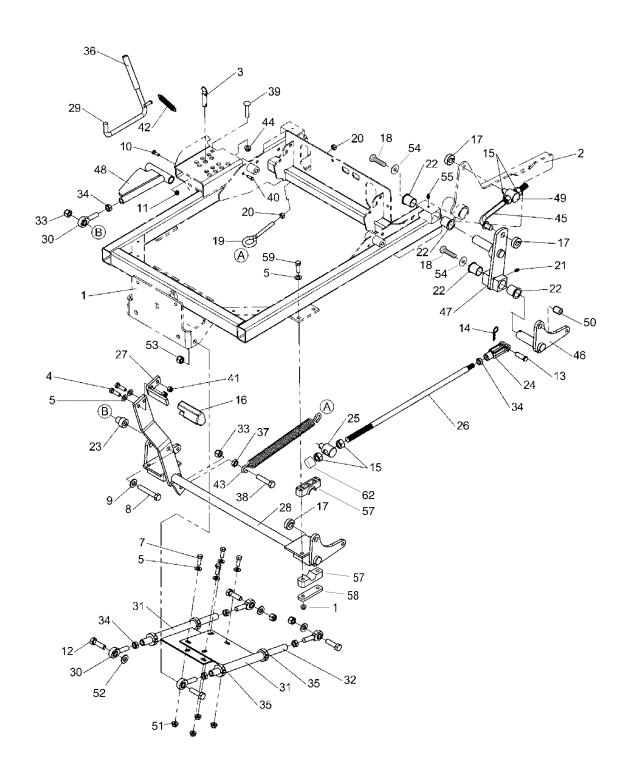
The above parts group applies to the following Mfg. Nos.:

## Deck Lift Group - S/N: 2013202962 & Above

Deck L	iii Group - c	)/IV. Z	013202902 & ADOVE
REF NO.	. PART NO.	QTY.	DESCRIPTION
1	-	-	MAIN FRAME
2	-	-	MOTOR MOUNT
3	5023498SM	1	HITCH PIN, 1/2 X 2"
4	5025013X10SM	6	BOLT, 3/8-16 X 1-1/4"
5	5025293SM	10	WASHER, 3/8 GR. 9 FLAT
6	5025394SM	8	NUT, 3/8-16 Hex Nylock Flange
7	5025013X8SM	4	BOLT, 3/8-16 X 1"
8	5025017X24SM	1	BOLT, 1/2-13 X 3"
9	5025158SM	4	WASHER, 1/2" SAE
10	5025010X5SM	2	BOLT, 1/4-20 x 5/8"
11	5025126SM	2	NUT, 1/4-20 Hex Serrated Flange
12	5025018X14SM	4	BOLT, 1/2-20 X 1-3/4"
13	5025328X12SM	2	CLEVIS PIN, 1/2" X 1-1/2"
14	1918196SM	2	HAIR PIN CLIP
15	5025040SM	8	NUT, 5/8-11 HEX
16	1715834SM	1	FOOT PEDAL
17	5020441SM	6	COLLAR, 5/8" Split
18	5025443SM	4	BOLT, 3/8-16X3/4 WITH PATCH
19	5023497SM	1	EYE BOLT, 3/8-16 X 6"
20	1916950SM	2	NUT, 3/8-16 Hex
21	5020095SM	4	GREASE FITTING
22	5023343SM	8	BUSHING, Flange
23	5047103SM	1	ADAPTER, CASTER AXLE
24	5023174SM	2	CLEVIS, 1/2-20, STEEL
25	5045447SM	2	SPRING ROD PIVOT
26	5049971SM	2	DECK ADJUSTMENT ROD
	5061569CSM	1	FOOT PEDAL MOUNT
	5404305CSM	1	DECK LIFT SHAFT
	5061527CSM	1	DECK LIFT LOCK ROD
	5022434SM	5	BALL JOINT, 1/2-20 Male
	5049867CSM	2	DECK STABILIZER
	5049868SM	2	DECK STABILIZER SHAFT
	5025056SM	2	NUT, 1/2-13 Hex Nylon Lock
	5025089SM	7	NUT, 1/2-20 Hex Jam
	5010114SM	4	COLLAR, 3/4" Split
	5021880SM	1	GRIP
	5025301SM	1	NUT, 1/2-13 Hex Jam
	5025017X18SM	1	BOLT, 1/2-13 X 2-1/4"
	5025146X16SM	1	CARRIAGE BOLT, 3/8-16 X 2"
	5025412SM	1	CLEVIS PIN, 1/4" x 3/4"
	5025096SM	2	NUT, 3/8-16 Hex Nylon Lock
	5020639SM	1	SPRING, Extension
	5023355SM	1	DECK LIFT SPRING
44	5025100SM	1	NUT, 3/8"-16 SIDE LOCK

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



The above parts group applies to the following Mfg. Nos.:

## Deck Lift Group - S/N: 2013202962 & Above

REF NO	). PART NO.	QTY.	DESCRIPTION
45	5049848SM	2	DECK LIFT ROD
46	5402815CSM	1	DECK LIFT PIVOT, RH
46	5402814CSM	1	DECK LIFT PIVOT, LH
47	5600216CSM	1	REAR DECK LIFT, LH
47	5401666CSM	1	REAR DECK LIFT, RH
48	5061523CSM	1	DECK ADJUST LINK
49	5045447SM	2	SPRING ROD PIVOT
49	5045856SM	2	SPRING ROD PIVOT
50	5061780SM	2	BUSHING, .510 X .625 X .500
51	5025128SM	4	NUT, 3/8"-16 SERRATED FLANGE
52	5025440SM	4	WASHER, 1/2" GR. 9 FLAT
53	5025098SM	4	NUT, 1/2"-20 NYLON LOCK
54	5100548SM	4	FLAT WASHER, THICK
55	5020020SM	2	GREASE FITTING 45
56	5025156SM	4	WASHER, 3/8" SAE
57	5100634SM	4	PIVOT BLOCK, PLASTIC
58	5403925CSM	2	PLATE, PIVOT BLOCK SUPPORT - ORG
59	5025013X22SM	4	BOLT, 3/8-16 X 2-3/4 GD5 YZ
60	5101028	2	CAP, BLACK VINYL

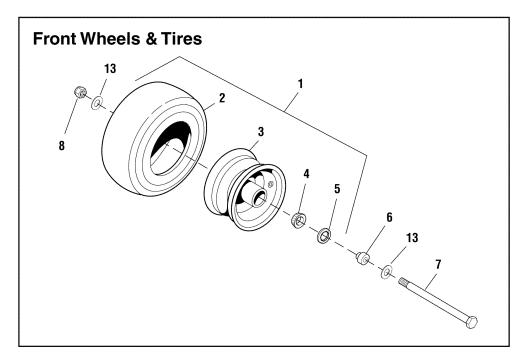
#### **Footnotes**

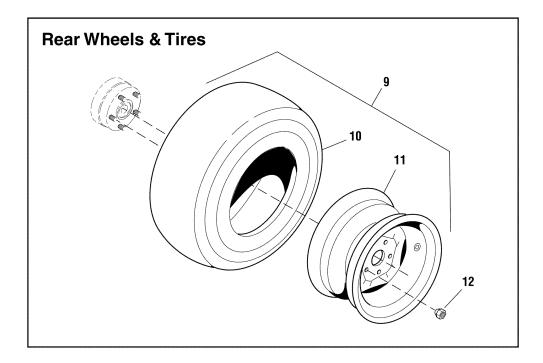
The above parts group applies to the following Mfg. Nos.:

5301279

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301279





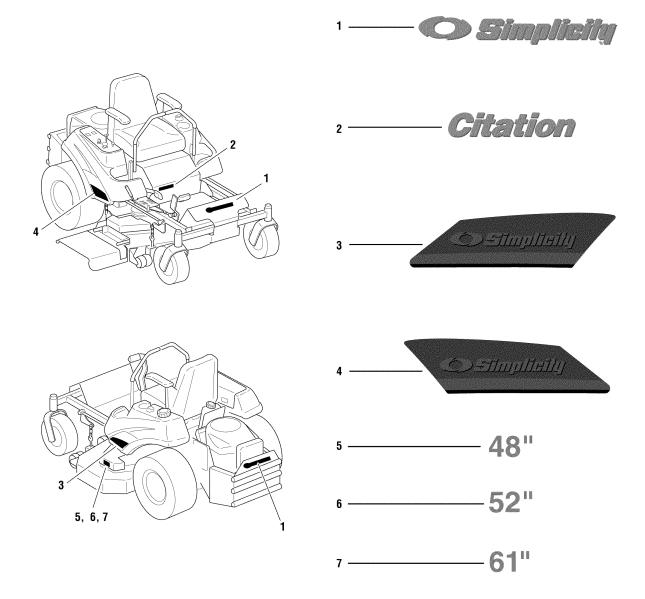
The above parts group applies to the following Mfg. Nos.:

## Wheel & Tire Group

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5022631SSM	2	TIRE, CASTER, 13 X 5.00-6
1	5022631SSM	2	TIRE, CASTER, 13 X 5.00-6 (Includes Ref No. 2 - 7 & 15)
1 :	5023280SM	2	* FLAT-FREE TIRE ASSEMBLY, 13 x 5.0 - 6
2	5022029X1SM	2	TIRE, 13 x 5.0 - 6
2	5022029X1SM	2	TIRE, 13 x 5.0 - 6 (Includes Ref No. 4 & 5, see foot note.)
3	5022631SX1SM	2	WHEEL ASSEMBLY, for 13 x 5.0 - 6 Tire, Complete (Includes Ref No. 4 & 5)
4	5022631SX2SM	4	BEARING, Tapered Roller (2 per tire)
5	5022631SX3SM	4	GREASE SEAL (2 per tire)
6	5047103SM	4	ADAPTER, CASTER AXLE (2 per tire)
7	5025017X64SM	2	BOLT, 1/2-13 X 8 GD5 YZ (NLA)
8	5025396SM	2	NUT, 1/2-13 HEX NYLOCK FLANGE
9	5023369SM	2	TIRE ASSM, 22 X 11.00-10 (Includes Ref. Nos 10 and 11.)
10	5023369X2SM	2	TIRE, 22 X 11.0 - 10
11	5023369X1SM	2	WHEEL ASSEMBLY, 10 X 7
12	5020601SM	10	NUT, 1/2-20, FOR WHEEL BOLT SILVER
13	5025158SM	2	WASHER, 1/2 SAE
14	5022631SX4SM	2	BEARING, RACE, (SV) (Not Shown)

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.: 5900762 - Citation



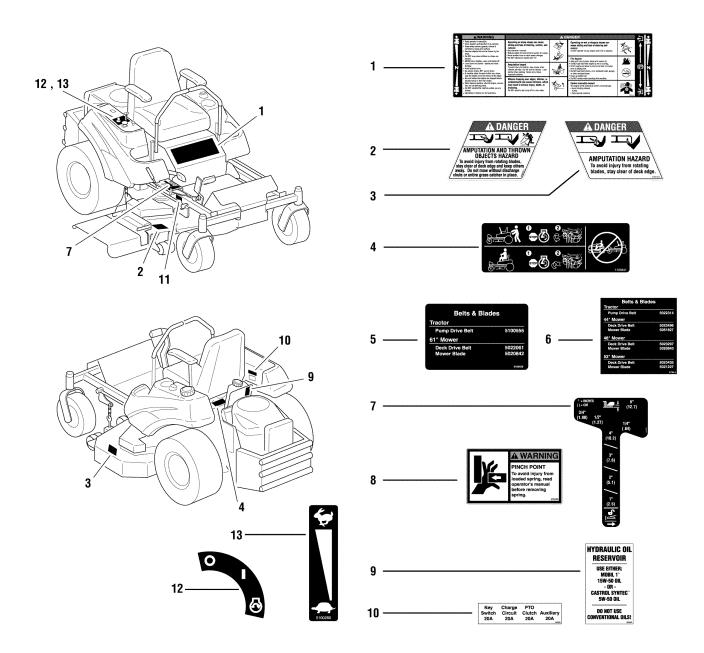
The above parts group applies to the following Mfg. Nos.:

### Decals - Brand & Model

REF NO	D. PART NO.	QTY.	DESCRIPTION
1	1722551SM	1	DECAL, Simplicity Logo (Qty: 1 on models w/ carb guard only)
2	5061821SM	1	DECAL, Citation
3	5061817SM	1	DECAL, Badge, RH
4	5061816SM	1	DECAL, Badge, LH
5	5022811SM	1	DECAL, 48" (48" Models Only)
6	5022812SM	1	DECAL, 52" (52" Models Only)
7	5022813SM	1	DECAL, 61" (61" Models Only)
8	276636	1	LABEL, BRIGGS & STRATTON LOGO (Briggs & Stratton models only)

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



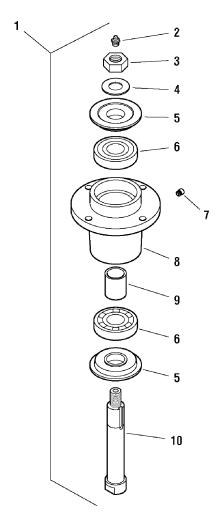
The above parts group applies to the following Mfg. Nos.:

### **Decals - Safety & Operation**

REF NO	. PART NO.	QTY.	DESCRIPTION
1	5100710SM	1	DECAL, MAIN
2	5100137SM	1	DECAL, DANGER, MOWER DISCHARGE
3	5100136SM	1	DECAL, DANGER, MOWER
4	1725941SM	1	DECAL, CZT HYDRO RELE
5	5100425SM	1	DECAL, BELT & BLADE, IS1500ZX (located under seat mount) (61" Models Only)
6	5100668SM	1	DECAL, Belt & Blade (located under seat mount) (52" Models Only)
7	5061724SM	1	DECAL-HEIGHT CITATION
8	5061245SM	1	DECAL, PINCH POINT
9	5048454SM	1	DECAL, OIL RESEVOIR
10	5046503SM	1	DECAL, FUSE LOCATION
11	-	1	DECAL, ID PLATE (NOT SHOWN)
12	5048970SM	1	DECAL, IGNITION SWITCH
13	5100280SM	1	DECAL, THROTTLE CONTROL
14	5100683SM	2	DECAL, WARNING, ROLL BAR (NOT SHOWN)
15	277802SM	1	LABEL, EMISSION CONTROL CALIF. 2008 (NOT SHOWN)

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



The above parts group applies to the following Mfg. Nos.:

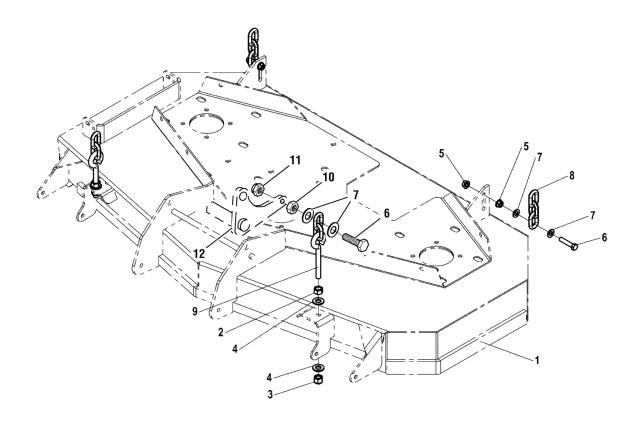
5900762 - Citation

## Spindle Service Group

REF N	O. PART NO.	QTY.	DESCRIPTION
1	5061095SM	3	ASSM, SPINDLE, LOW PROFILE (SV) (Includes Ref No. 2 - 10)
2	5023329SM	3	GREASE FITTING (SV)
3	5025405SM	3	NUT, 3/4-16 HEX (SV)
4	5025406SM	3	WASHER, 3/4" BELLEVILLE (SV)
5	5049793SM	6	TRASH SHIELD (SV)
6	5023330SM	6	BEARING (SV)
7	5023296SM	3	RELIEF VALVE (SV)
8	5061097SM	3	SPINDLE HOUSING (SV)
9	5061099SM	3	SPACER, 1.00 x 1.25 x 1.75 (SV)
10	5061098SM	3	SPINDLE SHAFT (SV)

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.: 5900762 - Citation



The above parts group applies to the following Mfg. Nos.:

# 48" & 52" Mower Deck - Hanger Chains

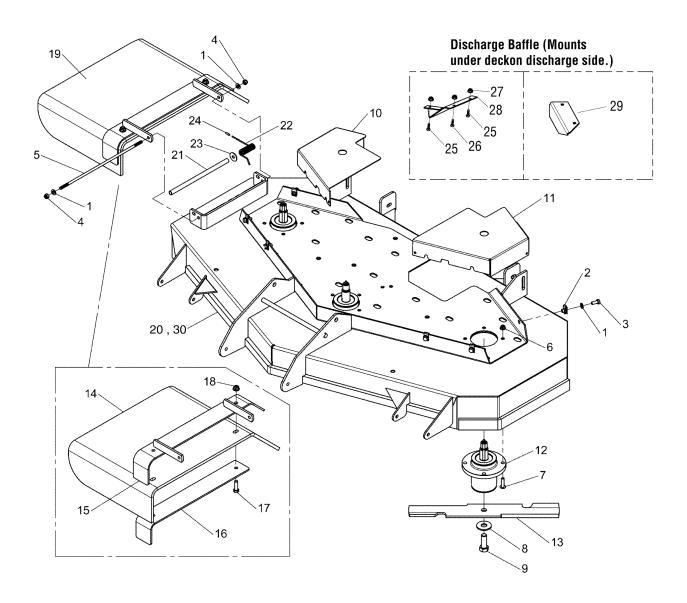
REF NO.	PART NO.	QTY.	DESCRIPTION
1	-	-	MOWER DECK
2	5025038SM	2	NUT, 1/2-13 HEX
3	5025396SM	2	NUT, 1/2-13 HEX NYLOCK FLANGE
4	5025158SM	2	WASHER, 1/2" SAE
5	5025128SM	4	NUT, 3/8-16 HEX SERRATED FLANGE
6	5025013X14SM	6	BOLT, 3/8-16 X 1-3/4" GD5
7	5025156SM	12	WASHER, 3/8" SAE
8	5050878X3SM	2	CHAIN, 5/16" GD30, 3 LINKS
9	5047503SM	2	HANGER, FRONT DECK - 2 LINK
10	5025084SM	4	NUT, 3/8-16 HEX JAM
11	5025394SM	4	NUT, 3/8-16 HEX NYLOCK FLANGE
12	-	-	DECK LIFT PIVOT

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

2875hc0

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



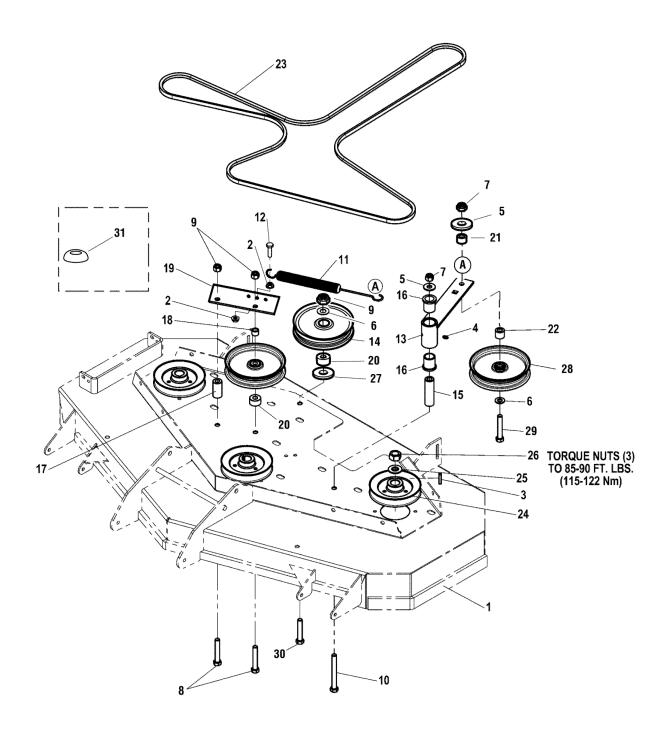
The above parts group applies to the following Mfg. Nos.:

# 48" & 52" Mower Deck - Housing, Cover, Spindle & Blade

70 0	COL WIOWEI D	CUN -	Thousing, Cover, Spinale & Diade
REF N	IO. PART NO.	QTY.	DESCRIPTION
1	5025155SM	8	WASHER, 5/16" SAE
2	5022308SM	6	BODY CLIP, 5/16-18
3	5025011X6SM	6	BOLT, 5/16-18 X 3/4"
4	5025045SM	2	NUT 5/16-24 Hex Nylon Lock
5	5042555SM	1	ROD, Linkage
6	5025392SM	12	NUT, 5/16-18 Hex Nylock Flange
7	5023156SM	12	BOLT, Flange Head, 5/16-18 x 1-1/4
8	5025159SM	3	WASHER, 5/8" USS
9	5025320X14SM	3	BOLT, 5/8-11 X 1-3/4"
10	5049881CSM	1	GUARD, 48" DECK - RH
10	5061810CSM	1	GUARD, 52" DECK - RH
11	5049882CSM	1	GUARD, 48" DECK - LH
11	5061811CSM	1	GUARD, 52" DECK - LH
12	5061095SM	3	SPINDLE ASSEMBLY, Complete
13	5020843ASM	3	MOWER BLADE, 16-1/4"
13	5021227ASM	3	MOWER BLADE, 18"
14	5100524SM	1	RUBBER CHUTE
15	5402361CSM	1	CHUTE FRAME
16	5402362CSM	1	CHUTE SUPPORT
17	5025013X10SM	1	BOLT, 3/8-16 X 1-1/4"
18	5025394SM	1	NUT, 3/8-16 Hex Nylock Flange
19	5600089SM	1	DISCHARGE CHUTE ASSEMBLY
20	5300030SM	1	DECK SHELL W/DECALS, 48"
20	5300031SM	1	DECK SHELL W/DECALS, 52" (S/N: 2012619803 & Below)
21	5050086X8SM	1	TORSION SPRING SPACER
22	5023385SM	1	TORSION SPRING
23	5025164SM	1	WASHER, 5/16" Fender
24	5023489SM	1	CAP
25	5025145X6SM	1	BOLT, 5/16-18 CARRIAGE, 3/4"
26	5025145X8SM	1	BOLT, 5/16-18 CARRIAGE, 1"
27	5025392SM	2	NUT, 5/16-18 NYLOCK FLANGE
28	5401254CSM	1	WELD, DISCHARGE BAFFLE, ORG - 52" (S/N: 2012619803 & Below)
29	5403548CSM	1	WELD, DISCHARGE BAFFLE, ORG - 52" (S/N: 2012619804 & Above)
30	5600140	1	DECK SHELL W/ DECALS - 52" (5403609C) (S/N: 2012619804 & Above)

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



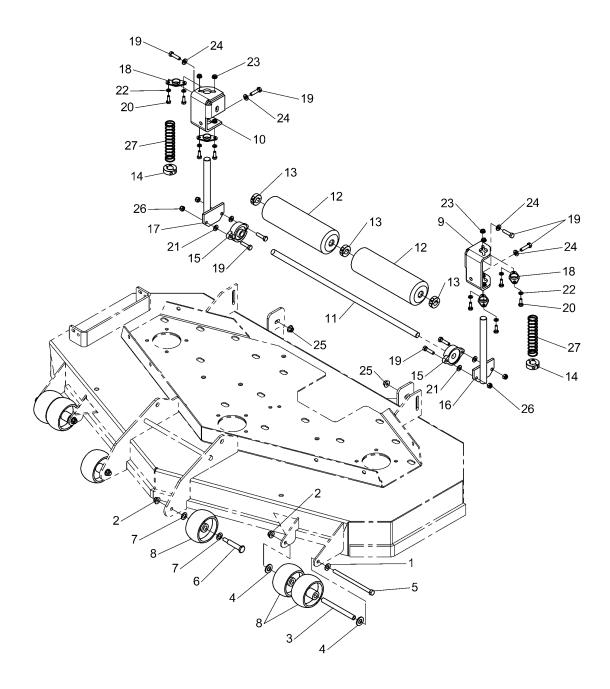
The above parts group applies to the following Mfg. Nos.:

### 48" & 52" Mower Deck - Pulleys, Belts & Idler Arm

τυ α	JZ INIOWEI D	CUN -	rulleys, belts & lulei Arm
REF NO	D. PART NO.	QTY.	DESCRIPTION
1	-	-	MOWER DECK
2	1931277SM	2	NUT, 5/16-18 HEX SERRATED FLANGE (SMALL)
3	5050407X5SM	3	KEY, 1/4 SQ. X 1-1/4
4	5020095SM	1	GREASE FITTING
5	5025150SM	2	WASHER, 1/2" USS
6	5025158SM	2	WASHER, 1/2" SAE
7	5025056SM	2	NUT, 1/2-13 HEX NYLON LOCK
8	5025017X24SM	2	BOLT, 1/2-13 X 3" GD5
9	5025332SM	3	NUT, 1/2"-13 SIDE LOCK
10	1926159SM	1	BOLT, 1/2-13 X 5" GD5 YZ
11	5023340SM	1	SPRING, EXTENSION, SWIVEL END
12	5025011X10SM	1	BOLT, 5/16-18 X 1-1/4" GD5 YZ
13	5045106CSM	1	IDLER ARM
14	5600184SM	2	KIT, PULLEY & SHIELD (Includes Part Nos 5021976 & 5101103)
15	5045022SM	1	SPACER, .52 X 1.00 X 3.50
16	5021541SM	2	BUSHING, FLANGE
17	5043607SM	1	SPACER, .50 X 1.00 X 2.00
18	5047027SM	1	SPACER, .51 X .75 X .56
19	5402555CSM	1	ANCHOR, SPRING
20	5047142SM	2	SPACER, .52 X 1.25 X .70
21	5045023SM	1	SPACER, .52 X 1.00 X .44
22	5044673SM	1	SPACER, .52 X 1.00 X .88
23	5023297SM	1	BELT, 48" DECK
23	5023435SM	1	BELT, 52" DECK
24	5023175SM	3	PULLEY, 5.72., 48" DECK
24	5023178SM	3	PULLEY, 6.122 OD., 52" DECK
25	5025406SM	3	WASHER, 3/4" BELLEVILLE
26	5025405SM	3	NUT, 3/4-16 HEX
27	5044913SM	1	WASHER, FRAME RETAINING
28	5100529SM	1	PULLEY, IDLER, 6.75 OD X 1.62 FACE
29	5025017X28SM	1	BOLT, 1/2-13 X 3-1/2" GD5
30	5025017X22	1	BOLT, 1/2-13 X 2-3/4" GD5
31	5101103SM	3	SHIELD, PULLEY BEARING (PULLEY BEARING SHIELDS ARE INSTALLED ON TOP OF 5021976 PULLEYS)

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



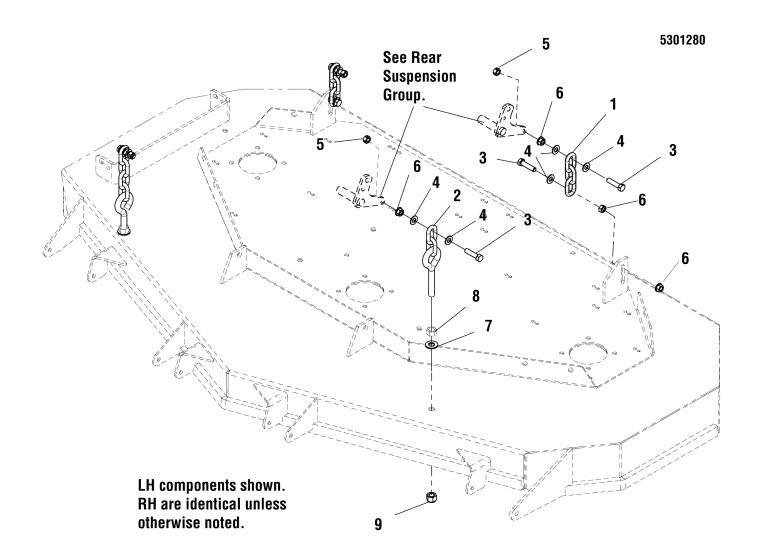
The above parts group applies to the following Mfg. Nos.:

### 48" & 52" Mower Deck - Rollers

40 a .	2 MOWEI D	CUN -	Hollers
REF NO	. PART NO.	QTY.	DESCRIPTION
1	5025156SM	2	WASHER 3/8" SAE
2	5025394SM	4	NUT, 3/8-16 Hex Nylock Flange
3	5046586SM	2	SPACER, .38 X .50 X 5.06
4	5025158SM	4	WASHER, 1/2" SAE
5	5025013X48SM	2	BOLT, 3/8-16 X 6"
6	2108765SM	2	BOLT, REAR WHEEL
7	1960027SM	4	WASHER
8	1714760SM	6	GAUGE WHEEL
9	5403622CSM	1	STRIPER MOUNT, LH
10	5403623CSM	1	STRIPER MOUNT, RH
11	5046903SM	1	SHAFT, Roller
12	5020785SM	2	ROLLER
13	5020441SM	3	COLLAR, 5/8" Split
14	5020594SM	2	COLLAR, 3/4" Double Split
15	5022846SM	2	BEARING, Flange
16	5046900CSM	1	GUIDE SHAFT, LH
17	5046901CSM	1	GUIDE SHAFT, RH
18	5023155SM	4	BUSHING, Flange
19	5025010X10SM	8	BOLT, 1/4-20 X 1-1/4"
20	5025010X6SM	8	BOLT, 1/4-20 X 3/4"
21	5025154SM	4	WASHER, 1/4" SAE
22	5025154SM	8	WASHER, 1/4" SAE
23	5025391SM	8	NUT, 1/4-20 Hex Nylock Flange
24	5025292SM	4	WASHER, 5/16" GD 9
25	5025139SM	4	NUT, 5/16-18 Hex Large Serrated Flange
26	5025095SM	4	NUT 1/4-20 Hex Nylon Lock
27	5022845SM	2	SPRING, Compression

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



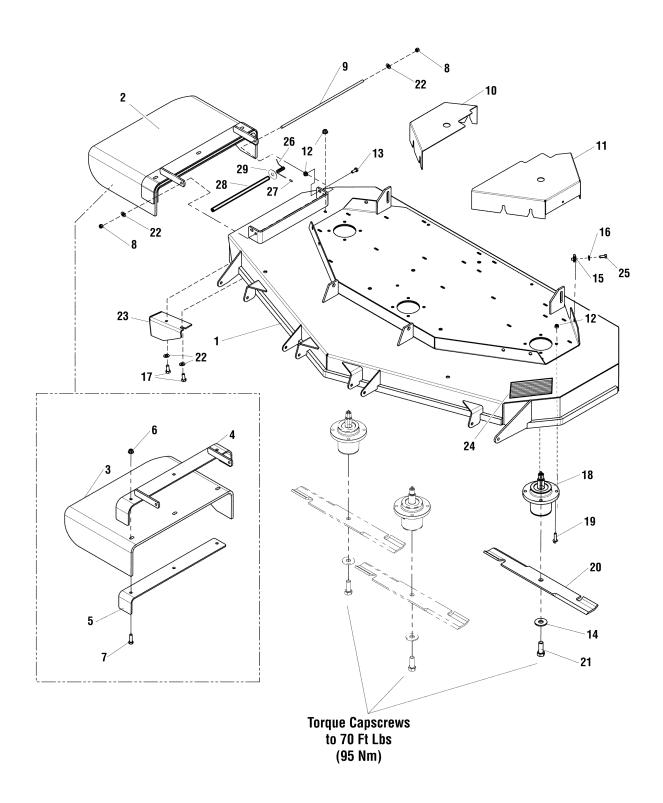
## 61" Mower Deck - Hanger Chains

REF NO.	PART NO.	QTY.	DESCRIPTION
1	5050878X3SM	2	CHAIN, 5/16 GD30, 3 LINKS
2	5047503SM	2	HANGER, FRONT DECK - 2 LINK
3	5025013X14SM	6	BOLT, 3/8-16 X 1-3/4 GD5
4	5025156SM	10	WASHER, 3/8 SAE
5	5025100SM	4	NUT, 3/8-16 HEX SIDE LOCK
6	5025128SM	8	NUT, 3/8-16 HEX SERRATED FLANGE
7	5025158SM	2	WASHER, 1/2 SAE
8	5025038SM	2	NUT, 1/2-13 HEX
9	5025396SM	2	NUT, 1/2-13 HEX NYLOCK FLANGE

#### **Footnotes**

5301436

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

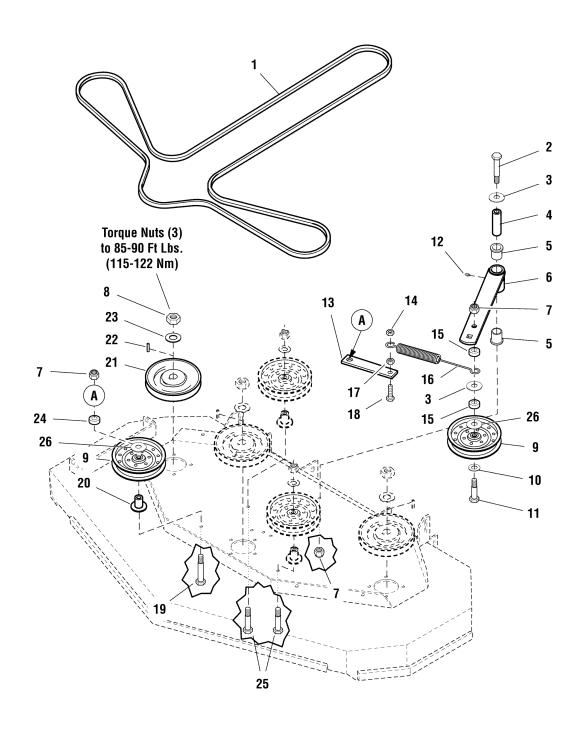


# 61" Mower Deck - Housing, Covers, Spindles & Blades Group

			DECORPORTION
	. PART NO.		DESCRIPTION
1	5600183SM	1	DECK SHELL W/DECALS, 61" SIDE DISCHARGE (Includes Safety Decals)
2	5061288CSM	1	61" RUBBER CHUTE ASSEMBLY, Complete (Includes Ref Nos 3 - 5)
3	5402403SM	1	CHUTE, DISCHARGE, RUBBER, 61/72"
4	5061293CSM	1	WELD, FRAME, CHUTE, 61 - ORG
5	5402360CSM	1	SUPPORT, DISCHARGE CHUTE, 61/72 - ORG
6	5025394SM	3	NUT, 3/8-16 HEX NYLOCK FLANGE
7	5025013X12SM	3	BOLT, 3/8-16 X 1-1/2 GD5 YZ
8	5025045SM	2	NUT, 5/16-24 HEX NYLON LOCK
9	5061300SM	1	ROD MOUNT, CHUTE 61"
10	5400791CSM	1	GUARD, 61", RH - ORG
11	5061451CSM	1	GUARD 61" - LH
12	5025392SM	15	NUT, 5/16-18 HEX NYLOCK FLANGE
13	5025411SM	1	BOLT, 5/16-18 X 3/4 FLANGE
14	5025159SM	3	WASHER, 5/8 USS
15	5022308SM	6	CLIP, BODY, 5/16-18 FOR 7 GA.
16	5025292SM	6	WASHER, 5/16 GD.9 FLAT
17	5025011X6SM	2	BOLT, 5/16-18 X 3/4 GD5
18	5061095SM	3	ASSM, SPINDLE, LOW PROFILE
19	5023156SM	12	BOLT, 5/16-18 X 1 1/4 FLANGE
20	5020842SSM	1	BLADE, 21 (SET OF THREE)
21	5025320X14SM	3	BOLT, 5/8-11 X 1-3/4" GD8
22	5025155SM	4	WASHER, 5/16 SAE
23	5401344CSM	1	PLATE, DEFLECTOR - ORG
24	5101005SM	1	SAFETY WALK, 9.75 X 6.00
25	5025011X8SM	6	BOLT, 5/16-18 X 1 GD5 YZ
26	5023385SM	1	SPRING, TORSION
27	5023489SM	1	CAP, PROTECTOR, .120 ID
28	5050086X10P75	SMI	TUBE, 1/2 X 3/8 BLACK POLY, 10.75 LG
29	5025164SM	1	WASHER, 5/16 FENDER

#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:



# 61" Mower Deck - Pulleys, Belts & Idler Arm

	200K 1		e, zene a naer rum
REF NO	. PART NO.	QTY.	DESCRIPTION
1	5022061SM	1	BELT, #7-4918
2	5025017X36SM	1	BOLT, 1/2-13 X 4-1/2 GD5
3	5025150SM	2	WASHER, 1/2 USS
4	5045022SM	1	SPACER, .52 X 1.00 X 3.50
5	5021541SM	2	BUSHING, FLANGE
6	5045106CSM	1	ASSM, IDLER ARM
7	5025396SM	5	NUT, 1/2-13 HEX NYLOCK FLANGE
8	5025405SM	3	NUT, 3/4-16 HEX
9	5600184SM	4	KIT, PULLEY & SHIELD (Includes Part Nos 5021976 & 5101103)
10	5025440SM	1	WASHER, 1/2 GD9 YZ
11	5025017X22SM	1	BOLT, 1/2-13 X 2-3/4 GD5
12	5020095SM	1	GREASE FITTING, 1/4-28 STRAIGHT
13	5400846CSM	1	MOUNT, IDLER SPRING - ORG
14	5025100SM	1	NUT, 3/8-16 HEX SIDE LOCK
15	5044609SM	2	SPACER, .52 X 1.00 X .38
16	5023340SM	1	SPRING, EXTENSION, SWIVEL END
17	5025128SM	1	NUT, 3/8-16 HEX SERRATED FLANGE
18	5025013X10SM	1	BOLT, 3/8-16 X 1-1/4 GD5
19	5025017X28SM	1	BOLT, 1/2-13 X 3-1/2 GD5
20	5046434CSM	3	WELD, MOUNT, IDLER
21	5100700SM	3	PULLEY, 6.5 EOD X 25MM, SPLIT
22	5050407X5SM	3	KEY, 1/4 SQ. X 1-1/4
23	5025406SM	3	WASHER, 3/4 BELLEVILLE
24	5045023SM	1	SPACER, .52 X 1.00 X .44
25	5025017X24SM	2	BOLT, 1/2-13 X 3 GD5
26	5101103SM	4	SHIELD, PULLEY BEARING

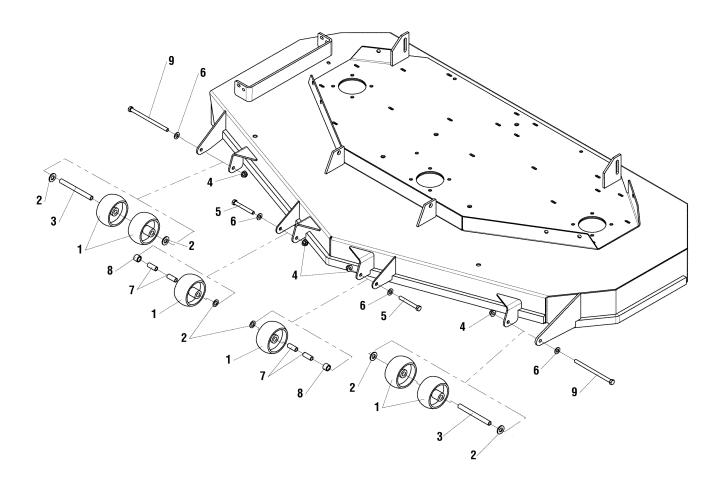
#### **Footnotes**

The above parts group applies to the following Mfg. Nos.:

5301285

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

5301285

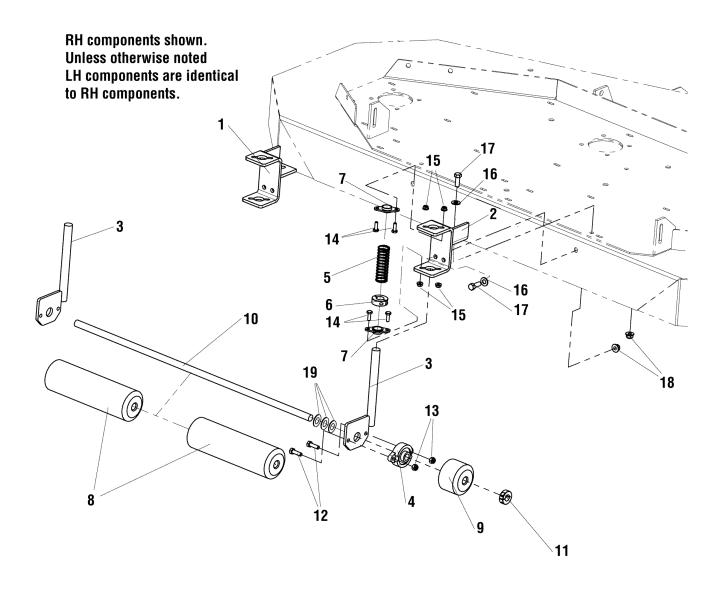


The above parts group applies to the following Mfg. Nos.:

# 61" Mower Deck - Rollers & Casters

REF NO.	. PART NO.	QTY.	DESCRIPTION
1	1714760SM	6	WHEEL- 2.00 WIDE 3.92 DIA 0.531ID POLY
2	5025440SM	6	WASHER, 1/2 GD9 YZ
3	5046586SM	2	SPACER, .38 X .50 X 5.06
4	5025394SM	4	NUT, 3/8-16 HEX NYLOCK FLANGE
5	5025013X28SM	2	BOLT, 3/8-16 X 3-1/2 GD5 YZ
6	5025156SM	4	WASHER, 3/8 SAE
7	5041931SM	4	SPACER, .38 X .50 X 1.25
8	5047027SM	2	SPACER, .51 X .75 X .56
9	5025013X48SM	2	BOLT, 3/8-16 X 6 GD5 YZ

#### **Footnotes**



# 61" Mower Deck - Striping Roller Bar

		<b></b>	.g
REF NO.	PART NO.	QTY.	DESCRIPTION
1	5401299CSM	1	WELD, ROLLER MT, COBALT - RH
2	5401298CSM	1	WELD, ROLLER MT, COBALT - LH
3	5401301CSM	2	WELD, ROLLER SLIDE
4	5022846SM	2	BEARING-FLANGE, 5/8
5	5022401SM	2	SPRING-COMPRESSION
6	5020594SM	2	COLLAR, 3/4 DOUBLE SPLIT
7	5023155SM	4	BUSHING, FLANGE
8	5020785SM	2	ROLLER, DECK
9	5100382SM	2	ROLLER, PLASTIC, .64 X 3.00 X 2.25
10	5401302SM	1	SHAFT, 5/8 X 28.88
11	5020441SM	2	COLLAR, 5/8 SPLIT
12	5025011X8SM	4	BOLT, 5/16-18 X 1 GD5 YZ
13	5025057SM	4	NUT, 5/16-18 HEX NYLON LOCK
14	5025010X6SM	8	BOLT, 1/4-20 X 3/4 GD5 YZ
15	5025391SM	8	NUT, 1/4-20 HEX NYLOCK FLANGE
16	5025156SM	4	WASHER, 3/8 SAE
17	5025013X8SM	4	BOLT, 3/8-16 X 1 GD5 YZ
18	5025394SM	4	NUT, 3/8-16 HEX NYLOCK FLANGE
19	5025281SM	6	WASHER, 5/8 SAE

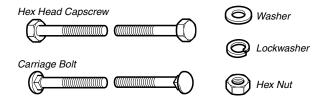
#### **Footnotes**

### Notes

### Notes

## **Hardware Identification & Torque Specifications**

#### **Common Hardware Types**

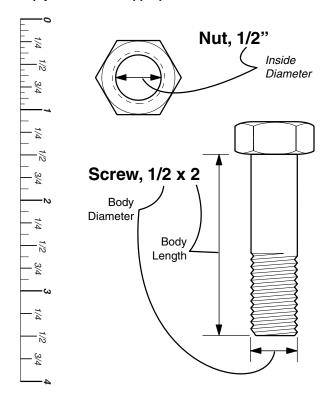


#### Standard Hardware Sizing

When a washer or nut is identified as 1/2", this is the Nominal size, meaning the inside diameter is 1/2 inch; if a second number is present it represent the threads per inch

When bolt or capscrew is identified as **1/2 - 16 x 2**", this means the *Nominal size*, or *body diameter* is 1/2 inch; the second number represents the *threads per inch* (16 in this example, and the final number is the *body length* of the bolt or screw (in this example 2 inches long).

The guides and ruler furnished below are designed to help you select the appropriate hardware and tools.



### **Torque Specification Chart**

FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)

Hardware Grade	No Marks SAE Grade 2		SAE Grade 5		SAE Grade 8	
Size Of Hardware	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
8-32	19	2.1	30	3.4	41	4.6
8-36	20	2.3	31	3.5	43	4.9
10-24	27	3.1	43	4.9	60	6.8
10-32	31	3.5	49	5.5	68	7.7
1/4-20	66	7.6	8	10.9	12	16.3
1/4-28	76	8.6	10	13.6	14	19.0
5/16-18	11	15.0	17	23.1	25	34.0
5/16-24	12	16.3	19	25.8	27	34.0
3/8-16	20	27.2	30	40.8	45	61.2
3/8-24	23	31.3	35	47.6	50	68.0
7/16-14	30	40.8	50	68.0	70	95.2
7/16-20	35	47.6	55	74.8	80	108.8
1/2-13	50	68.0	75	102.0	110	149.6
1/2-20	55	74.8	90	122.4	120	163.2
9/16-12	65	88.4	110	149.6	150	204.0
9/16-18	75	102.0	120	163.2	170	231.2
5/8-11	90	122.4	150	204.0	220	299.2
5/8-18	100	136	180	244.8	240	326.4
3/4-10	160	217.6	260	353.6	386	525.0
3/4-16	180	244.8	300	408.0	420	571.2
7/8-9	140	190.4	400	544.0	600	816.0
7/8-14	155	210.8	440	598.4	660	897.6
1-8	220	299.2	580	788.8	900	1,244.0
1-12	240	326.4	640	870.4	1,000	1,360.0

#### **NOTES**

- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- 2. Recommended seating torque values for locknuts:
  - a. for prevailing torque locknuts use 65% of grade 5 torques.
  - for flange whizlock nuts and screws use 135% of grade 5 torques.
- 3. Unless otherwise noted on assembly drawings, all torque values must meet this specification.

#### Wrench & Fastener Size Guide



1/4" Bolt or Nut Wrench—7/16"



5/16" Bolt or Nut Wrench—1/2"



3/8" Bolt or Nut Wrench—9/16"



7/16" Bolt or Nut Wrench (Bolt)—5/8" Wrench (Nut)—11/16"



1/2" Bolt or Nut Wrench—3/4"

